

Converting Colors

XYZ(75.0528, 96.4985, 94.3377)

Have a look what the booklet for
XYZ(75.0528, 96.4985, 94.3377)
contains.

XYZ(70.6675, 87.7665, 92.5729)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.6675, 87.7665,
92.5729)**

Conversions

Conversions Part 1

Format	Color
Hex	B8FFEC
RGB	184, 255, 236
RGB Percent	72%, 100%, 93%
CMY	0.2784, 0.0000, 0.0745
CMYK	0.28, 0.00, 0.07, 0.00
HSL	164°, 100%, 86%
HSV	164°, 28%, 100%
XYZ	70.6675, 87.7665, 92.5729
YIQ	231.6050, -36.2170, -20.9610

Conversions

Conversions Part 2

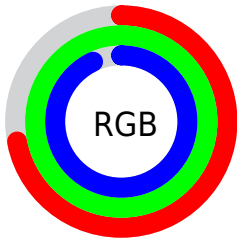
Format	Color
RYB	184, 225, 255
Decimal	12124140
CIELab	95.06, -25.75, 2.02
CIElCh	95, 25.833, 175.519
Yxy	87.7665, 0.2815, 0.3497
Android (android.graphics.Color)	4290314220 (0xFFB8FFEC)
YUV	231.6050, 2.1667, -41.7496
Hunter-Lab	93.6838, -29.3006, 6.9917

Details

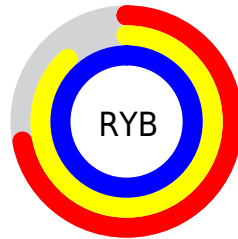
The XYZ color **70.6675, 87.7665, 92.5729** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **69.1606, 59.8539, 64.4083**, and the grayscale version is **76.4101, 80.3894, 87.5440**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **37.4856, 48.3506, 50.5369** is the 20% darker color. If you saturate the color by 10%, you get **64.1274, 84.5073, 87.1910**, and if you desaturate by 10%, it is **78.3483, 91.6093, 98.2088**.

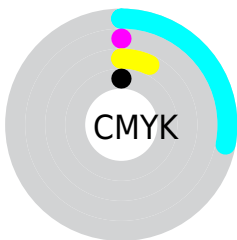
Distribution



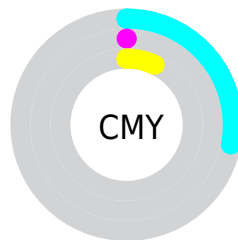
- Red (72%)
- Green (100%)
- Blue (93%)



- Red (72%)
- Yellow (88%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)



- Cyan (28%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.6675, 87.7665, 92.5729 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 70.6675, 87.7665, 92.5729 by changing the saturation by 10% instead.


 70.6675, 87.7665,
92.5729

 70.6675, 87.7665,
92.5729


452.1202,
520.7383, 557.1499

 52.3525, 66.1297,
69.5309


 119.1813,
144.2320, 152.8738

 37.5115, 48.3777,
50.6697


150.1107,
179.8296, 190.9697

 25.7793, 34.1261,
35.5709

185.9756,
220.8495, 234.9206

 16.7904, 22.9905,
23.8159

227.1414,
267.6761, 285.1452

 10.1795, 14.5865,
14.9862

273.9734,
320.6939, 342.0618

 5.5813, 8.5297,
8.6632

326.8369,

 2.6304, 4.4357,

380.2873, 406.0891

4.4284

386.0974,
446.8406, 477.6457

■ 0.9615, 1.9202,
1.8632

■ 0.0000, 0.5605,
0.4691

■ 70.6675, 87.7665,
92.5729

■ 70.6675, 87.7665,
92.5729

■ 64.1274, 84.5073,
87.1910

■ 78.3483, 91.6093,
98.2088

■ 58.6657, 81.7997,
82.0537

■ 87.2221, 96.0627,
104.0990

■ 54.2182, 79.6107,
77.1572

■ 95.0500, 100.0000,
108.9000

■ 50.7124, 77.9029,
72.4959

■ 48.0661, 76.6341,
68.0637

■ 46.1823, 75.7542,
63.8536

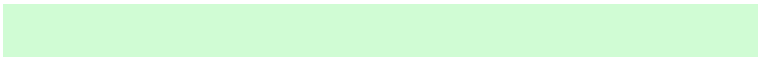
■ 44.9316, 75.1966,
59.8573

■ 44.7044, 75.0978,
59.0208

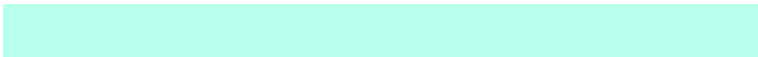
Harmonies

Analogous

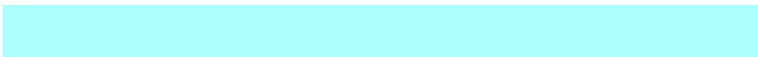
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.7753, 87.7665, 75.2968



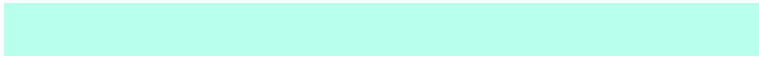
70.6675, 87.7665, 92.5729



71.8162, 87.7665, 113.2120

Triad

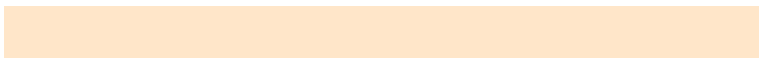
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.6675, 87.7665, 92.5729



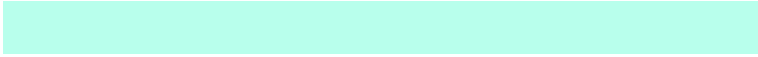
89.3736, 87.7665, 134.8872



91.3007, 87.7665, 67.0956

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



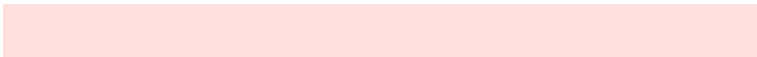
70.6675, 87.7665, 92.5729



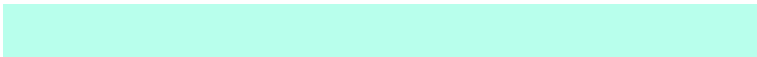
69.1606, 59.8539, 64.4083

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.2096, 87.7665, 79.8504



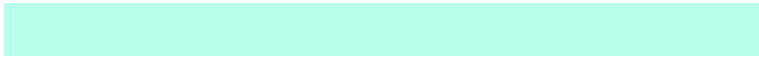
70.6675, 87.7665, 92.5729



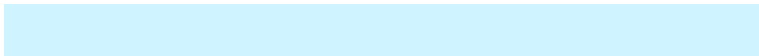
95.0539, 87.7665, 119.1733

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



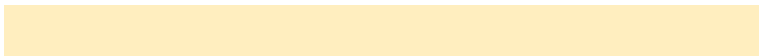
70.6675, 87.7665, 92.5729



82.3688, 87.7665, 139.5387



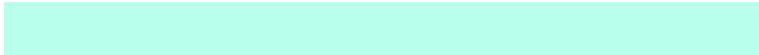
97.6199, 87.7665, 98.6164



84.4789, 87.7665, 61.9584

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.6675, 87.7665, 92.5729



74.3105, 87.7665, 125.8987



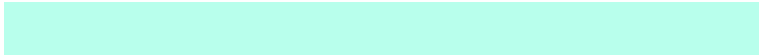
97.6199, 87.7665, 98.6164



93.2439, 87.7665, 70.5390

Sweetspot

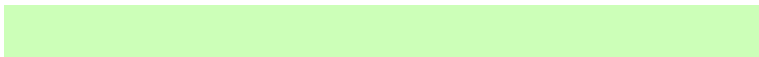
The Sweet Spot groups the original color and five complimentary colors.



70.6684, 87.7669, 92.5744



87.0725, 95.9875, 104.0040



69.3464, 87.8349, 58.6478



18.3352, 20.3936, 22.0680



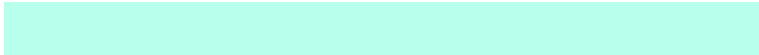
0.0000, 0.0000, 0.0000



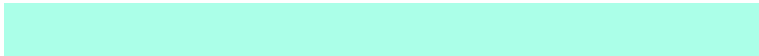
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6684, 87.7669, 92.5744



67.1560, 86.0147, 89.7666



68.8653, 79.5057, 106.3243



18.3352, 20.3936, 22.0680



23.4244, 39.2664, 31.1839



2.3262, 3.8414, 3.2756

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



69.1606, 59.8539, 64.4083



65.4413, 54.1959, 57.6791



70.4042, 65.7453, 54.3283



18.2090, 18.0669, 19.7175



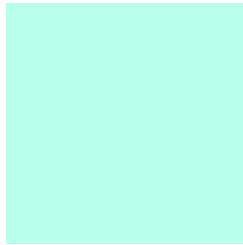
22.1502, 11.3494, 4.1756



2.1998, 1.1223, 0.6334

Previews

White Background



This preview shows how the XYZ color 70.6675, 87.7665, 92.5729 looks on a white background.

Color Contrast Check

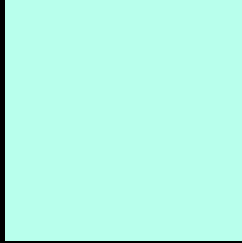
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 70.6675, 87.7665, 92.5729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

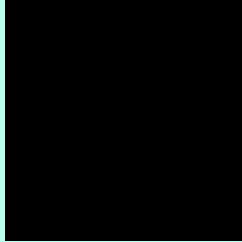
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

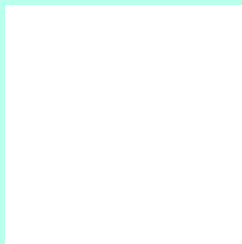
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.6675, 87.7665, 92.5729

Background



This preview shows how black text looks on a background with the XYZ color 70.6675, 87.7665, 92.5729.



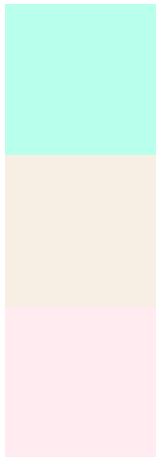
This preview shows how white text looks on a background with the XYZ color 70.6675, 87.7665,

92.5729.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

70.6675, 87.7665, 92.5729

Protanopia

83.0894, 87.0532, 85.0967

Deuteranopia

86.6765, 86.9679, 94.6562



Tritanopia

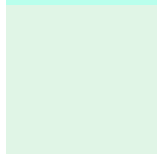
79.6158, 87.4302, 107.2873

Trichromacy



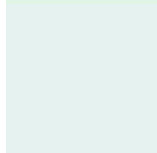
Original Color

70.6675, 87.7665, 92.5729



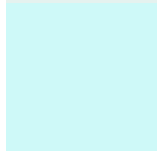
Protanomaly

77.6758, 86.8653, 87.5356



Deuteranomaly

79.6452, 86.3943, 94.1394



Tritanomaly

76.2726, 87.6505, 101.7052

Monochromacy



Original Color

70.6675, 87.7665, 92.5729



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.8924, 82.6504, 89.1494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6675, 87.7665, 92.5729 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(184, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 236)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(184, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 236) }
```

Border

The CSS property to change the border of an element to XYZ 70.6675, 87.7665, 92.5729 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(184, 255, 236) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(184, 255, 236) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(184, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6675, 87.7665, 92.5729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 236) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(184,  
255, 236) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor