

Converting Colors

XYZ(70.7848, 87.8541, 91.3540)

Have a look what the booklet for
XYZ(70.7848, 87.8541, 91.3540)
contains.

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Color

**XYZ(70.6189, 87.7748,
91.0621)**

Conversions

Conversions Part 1

Format	Color
Hex	B9FFEA
RGB	185, 255, 234
RGB Percent	73%, 100%, 92%
CMY	0.2745, 0.0000, 0.0823
CMYK	0.27, 0.00, 0.08, 0.00
HSL	162°, 100%, 86%
HSV	162°, 27%, 100%
XYZ	70.6189, 87.7748, 91.0621
YIQ	231.6760, -34.9790, -21.3710

Conversions

Conversions Part 2

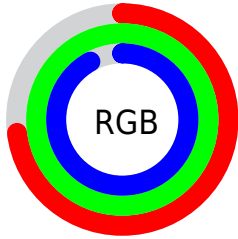
Format	Color
RYB	185, 226, 255
Decimal	12189674
CIELab	95.07, -25.87, 3.06
CIELCh	95, 26.053, 173.253
Yxy	87.7748, 0.2831, 0.3519
Android (android.graphics.Color)	4290379754 (0xFFB9FFEA)
YUV	231.6760, 1.1457, -40.9349
Hunter-Lab	93.6882, -29.4073, 7.9537

Details

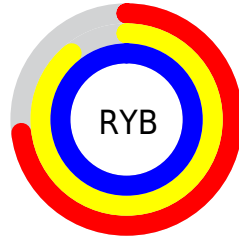
The XYZ color **70.6189, 87.7748, 91.0621** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.7302, 60.4154, 66.3793**, and the grayscale version is **76.4698, 80.4522, 87.6125**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **37.4359, 48.3483, 49.4786** is the 20% darker color. If you saturate the color by 10%, you get **63.9339, 84.4528, 85.1365**, and if you desaturate by 10%, it is **78.4564, 91.6854, 97.2922**.

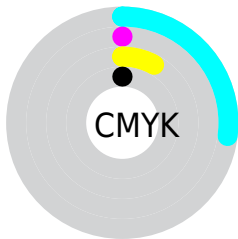
Distribution



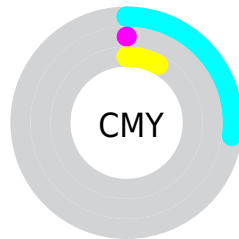
- Red (73%)
- Green (100%)
- Blue (92%)



- Red (73%)
- Yellow (89%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.6189, 87.7748, 91.0621 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 70.6189, 87.7748, 91.0621 by changing the saturation by 10% instead.


 70.6189, 87.7748,
91.0621

 70.6189, 87.7748,
91.0621


451.9527,
520.7655, 552.1388

 52.3127, 66.1366,
68.2832


 119.1124,
144.2436, 150.7612

 37.4796, 48.3833,
49.6601


150.0304,
179.8430, 188.5185

 25.7544, 34.1305,
34.7741


185.8830,
220.8648, 232.1057

 16.7717, 22.9939,
23.2067

227.0355,
267.6936, 281.9413

 10.1662, 14.5890,
14.5395

273.8534,
320.7136, 338.4439

 5.5724, 8.5314,
8.3538

326.7020,

 2.6250, 4.4368,

380.3094, 402.0320

4.2312

385.9467,
446.8652, 473.1241

■ 0.9587, 1.9208,
1.7530

■ 0.0000, 0.5608,
0.3967

■ 70.6189, 87.7748,
91.0621

■ 70.6189, 87.7748,
91.0621

■ 63.9339, 84.4528,
85.1365

■ 78.4564, 91.6854,
97.2922

■ 58.3390, 81.6874,
79.5052

■ 87.4989, 96.2117,
103.8280

■ 53.7702, 79.4456,
74.1634

95.0500, 100.0000,
108.9000

■ 50.1552, 77.6902,
69.1045

■ 47.4119, 76.3790,
64.3215

■ 45.4441, 75.4625,
59.8064

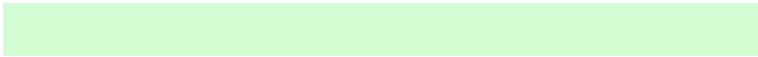
■ 44.1260, 74.8758,
55.5499

■ 43.8466, 74.7546,
54.5033

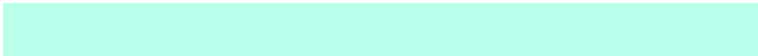
Harmonies

Analogous

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



72.9823, 87.7748, 74.0822



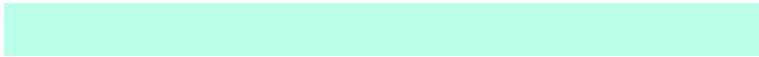
70.6189, 87.7748, 91.0621



71.5285, 87.7748, 111.8143

Triad

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



70.6189, 87.7748, 91.0621



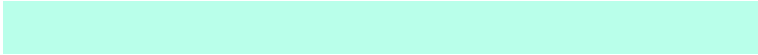
88.9211, 87.7748, 136.0780



91.8444, 87.7748, 67.5986

Complementary

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



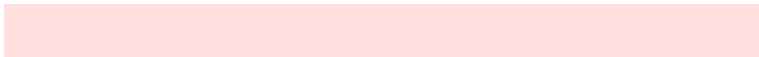
70.6189, 87.7748, 91.0621



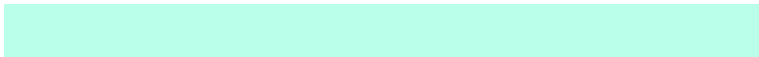
69.7302, 60.4154, 66.3793

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.



96.5776, 87.7748, 80.9838



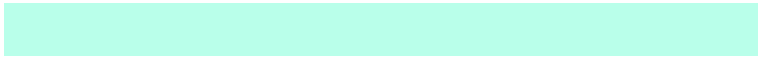
70.6189, 87.7748, 91.0621



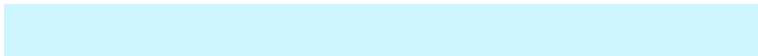
94.8242, 87.7748, 120.8607

Square

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



70.6189, 87.7748, 91.0621



81.8374, 87.7748, 139.7797



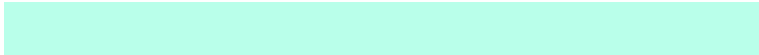
97.6978, 87.7748, 100.2281



85.0377, 87.7748, 61.8318

Rectangle

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



70.6189, 87.7748, 91.0621



73.8951, 87.7748, 124.8707



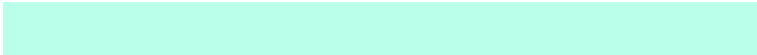
97.6978, 87.7748, 100.2281



93.7460, 87.7748, 71.2568

Sweetspot

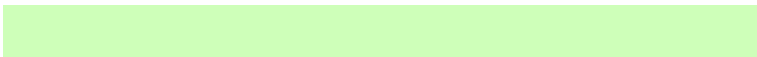
The Sweet Spot groups the original color and five complimentary colors.



70.6198, 87.7753, 91.0636



86.9692, 95.9462, 103.4604



69.9714, 88.1450, 59.2263



18.3091, 20.3832, 21.9306



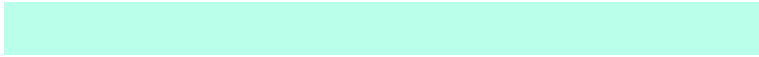
0.0000, 0.0000, 0.0000



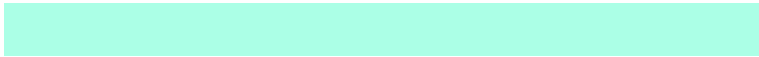
20.3446, 21.4041, 23.3091

Same Dimension

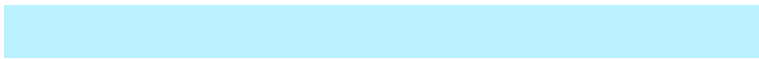
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6198, 87.7753, 91.0636



66.7706, 85.8606, 87.7371



69.5137, 80.4456, 106.4715



18.3091, 20.3832, 21.9306



22.9799, 39.0886, 28.8433



2.2858, 3.8253, 3.0629

Inverse Universe

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



69.7302, 60.4154, 66.3793



65.7491, 54.3190, 59.2998



70.4212, 65.6108, 54.8530



18.2336, 18.0768, 19.8473



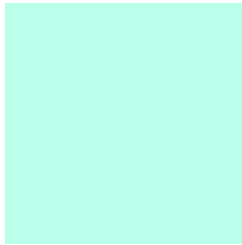
22.2966, 11.4079, 4.9465



2.2167, 1.1291, 0.7228

Previews

White Background



This preview shows how the XYZ color 70.6189, 87.7748, 91.0621 looks on a white background.

Color Contrast Check

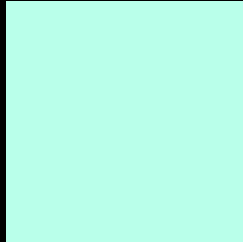
Large Text (above 18pt) WCAG AA × Fail

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 70.6189, 87.7748, 91.0621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

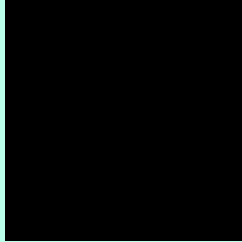
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

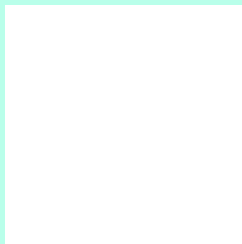
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.6189, 87.7748, 91.0621

Background



This preview shows how black text looks on a background with the XYZ color 70.6189, 87.7748, 91.0621.



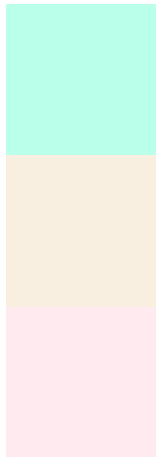
This preview shows how white text looks on a background with the XYZ color 70.6189, 87.7748,

91.0621.

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

70.6189, 87.7748, 91.0621

Protanopia

83.1685, 87.1257, 83.6677

Deuteranopia

86.5283, 86.9087, 93.8759



Tritanopia

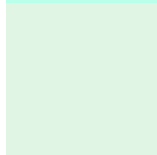
79.6158, 87.4302, 107.2873

Trichromacy



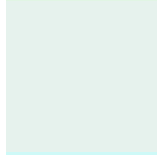
Original Color

70.6189, 87.7748, 91.0621



Protanomaly

77.7073, 86.9138, 86.0792



Deuteranomaly

79.6713, 86.4417, 92.6065



Tritanomaly

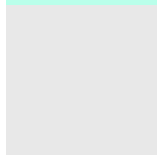
76.1178, 87.5886, 100.8901

Monochromacy



Original Color

70.6189, 87.7748, 91.0621



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 70.6189, 87.7748, 91.0621 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(185, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 234)  
}
```

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(185, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 70.6189, 87.7748, 91.0621 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(185, 255, 234) }
```


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

```
.border{ border-color:rgb(185, 255, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6189, 87.7748, 91.0621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 255, 234) }
```

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

```
.background{ background-color: rgb(185,  
255, 234) }
```

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](#).

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