

Converting Colors

XYZ(66.3273, 85.5575, 91.0821)

Have a look what the booklet for
XYZ(66.3273, 85.5575, 91.0821)
contains.

XYZ(66.3372, 85.5675, 90.8617)	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(66.3372, 85.5675,
90.8617)**

Conversions

Conversions Part 1

Format	Color
Hex	A6FFEA
RGB	166, 255, 234
RGB Percent	65%, 100%, 92%
CMY	0.3490, 0.0000, 0.0823
CMYK	0.35, 0.00, 0.08, 0.00
HSL	166°, 100%, 83%
HSV	166°, 35%, 100%
XYZ	66.3372, 85.5675, 90.8617
YIQ	225.9950, -46.3030, -25.3990

Conversions

Conversions Part 2

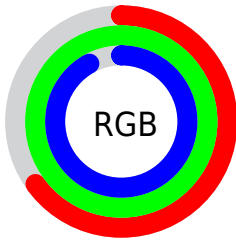
Format	Color
RYB	166, 216, 255
Decimal	10944490
CIELab	94.13, -31.17, 1.58
CIELCh	94, 31.210, 177.098
Yxy	85.5675, 0.2733, 0.3525
Android (android.graphics.Color)	4289134570 (0xFFA6FFEA)
YUV	225.9950, 3.9465, -52.6156
Hunter-Lab	92.5027, -33.8706, 6.5137

Details

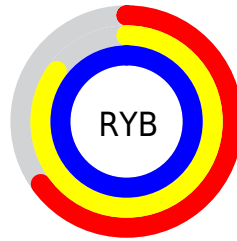
The XYZ color **66.3372, 85.5675, 90.8617** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.8466, 52.1216, 53.7100**, and the grayscale version is **72.2815, 76.0458, 82.8138**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **34.6604, 46.9175, 49.3487** is the 20% darker color. If you saturate the color by 10%, you get **60.6618, 82.7399, 86.1613**, and if you desaturate by 10%, it is **73.1036, 88.9541, 95.7693**.

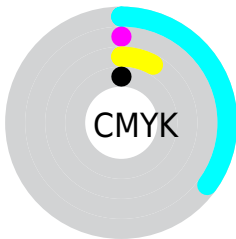
Distribution



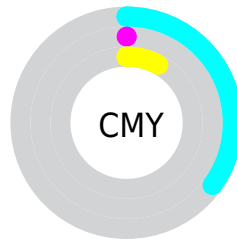
- Red (65%)
- Green (100%)
- Blue (92%)



- Red (65%)
- Yellow (85%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)



- Cyan (35%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3372, 85.5675, 90.8617 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 66.3372, 85.5675, 90.8617 by changing the saturation by 10% instead.

66.3372, 85.5675,
90.8617

66.3372, 85.5675,
90.8617

437.0515,
513.5040, 551.4722

48.8149, 64.3104,
68.1178

113.0252,
141.1658, 150.4807

34.6866, 46.9021,
49.5263

142.9216,
176.2758, 188.1929

23.5869, 32.9583,
34.6686

177.6735,
216.7721, 231.7317

15.1506, 22.0945,
23.1262

217.6461,
263.0393, 281.5155

9.0121, 13.9263,
14.4806

263.2049,
315.4617, 337.9629

4.8063, 8.0695,
8.3131

314.7151,

2.1676, 4.1394,

374.4237, 401.4925

4.2053

372.5422,
440.3097, 472.5227

■ 0.7256, 1.7519,
1.7386

■ 0.0000, 0.4569,
0.3870

■ 66.3372, 85.5675,
90.8617

■ 66.3372, 85.5675,
90.8617

■ 60.6618, 82.7399,
86.1613

■ 73.1036, 88.9541,
95.7693

■ 56.0113, 80.4373,
81.6591

■ 81.0162, 92.9282,
100.8838

■ 52.3168, 78.6242,
77.3519

■ 90.1298, 97.5180,
106.2108

■ 49.4994, 77.2600,
73.2345

95.0500, 100.0000,
108.9000

■ 47.4674, 76.2975,
69.3009

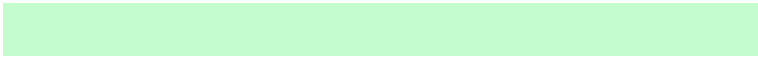
■ 46.1078, 75.6783,
65.5444

■ 45.5916, 75.4526,
63.6925

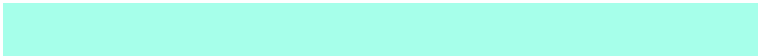
Harmonies

Analogous

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



68.5906, 85.5675, 70.3743



66.3372, 85.5675, 90.8617



67.8681, 85.5675, 115.7016

Triad

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



66.3372, 85.5675, 90.8617



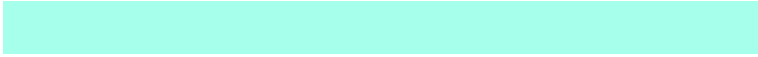
88.8575, 85.5675, 140.3441



90.3582, 85.5675, 59.6738

Complementary

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



66.3372, 85.5675, 90.8617



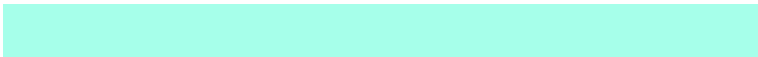
63.8466, 52.1216, 53.7100

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.



96.4623, 85.5675, 73.7690



66.3372, 85.5675, 90.8617



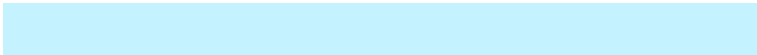
95.5551, 85.5675, 120.4191

Square

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



66.3372, 85.5675, 90.8617



80.5198, 85.5675, 146.9961



98.4255, 85.5675, 95.5139



82.1442, 85.5675, 54.4052

Rectangle

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



66.3372, 85.5675, 90.8617



70.8905, 85.5675, 131.0366



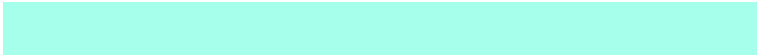
98.4255, 85.5675, 95.5139



92.7458, 85.5675, 63.4044

Sweetspot

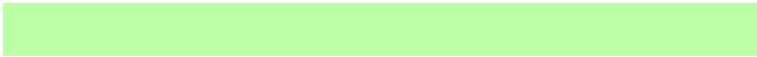
The Sweet Spot groups the original color and five complimentary colors.



66.3381, 85.5680, 90.8632



85.3292, 95.0989, 103.4676



63.4446, 84.9968, 49.1402



17.9928, 20.2186, 21.9866



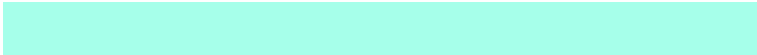
0.0000, 0.0000, 0.0000



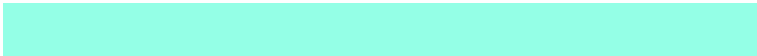
20.3446, 21.4041, 23.3091

Same Dimension

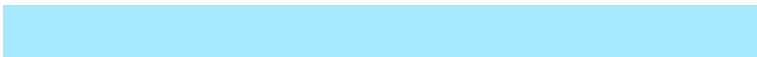
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.3381, 85.5680, 90.8632



62.1998, 83.5046, 87.5043



62.8450, 73.4642, 105.4755



18.3608, 20.4038, 22.2028



23.8835, 39.4500, 33.6013



2.3676, 3.8580, 3.4935

Inverse Universe

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



63.8466, 52.1216, 53.7100



59.3735, 45.4321, 45.2612



66.1605, 60.0877, 44.1891



18.1850, 18.0573, 19.5913



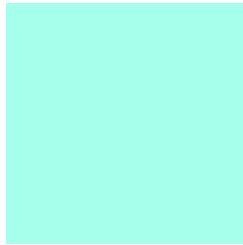
22.0248, 11.2992, 3.5153



2.1846, 1.1162, 0.5538

Previews

White Background



This preview shows how the XYZ color 66.3372, 85.5675, 90.8617 looks on a white background.

Color Contrast Check

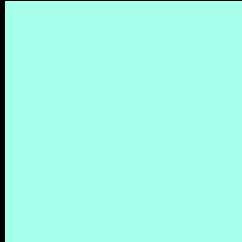
Large Text (above 18pt) WCAG AA × Fail

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 66.3372, 85.5675, 90.8617 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

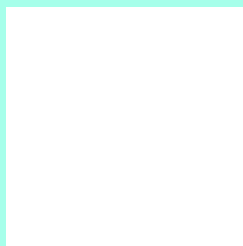
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.3372, 85.5675, 90.8617

Background



This preview shows how black text looks on a background with the XYZ color 66.3372, 85.5675, 90.8617.

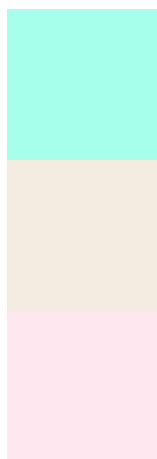


This preview shows how white text looks on a background with the XYZ color 66.3372, 85.5675,

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

66.3372, 85.5675, 90.8617

Protanopia

80.7582, 84.6058, 82.5952

Deuteranopia

85.3959, 84.6438, 93.4984



Tritanopia

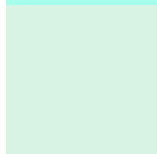
76.1328, 85.1868, 107.0378

Trichromacy



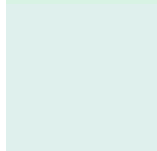
Original Color

66.3372, 85.5675, 90.8617



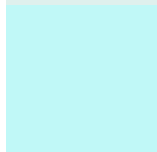
Protanomaly

74.3731, 84.3016, 85.7507



Deuteranomaly

76.8776, 84.1226, 92.3062



Tritanomaly

72.0941, 85.0567, 100.6135

Monochromacy



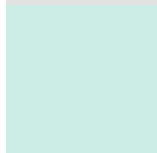
Original Color

66.3372, 85.5675, 90.8617



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.3289, 79.0629, 85.7354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3372, 85.5675, 90.8617 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(166, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 66.3372, 85.5675, 90.8617 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(166, 255, 234) }
```


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

```
.border{ border-color:rgb(166, 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(166, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3372, 85.5675, 90.8617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 234) }
```

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

```
.background{ background-color: rgb(166,  
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](#).

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