

Converting Colors

XYZ(81.6508, 116.2878,
94.9445)

Have a look what the booklet for
XYZ(81.6508, 116.2878, 94.9445)
contains.

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Color

**XYZ(66.4043, 85.6187,
90.1170)**

Conversions

Conversions Part 1

Format	Color
Hex	A7FFE9
RGB	167, 255, 233
RGB Percent	65%, 100%, 91%
CMY	0.3451, 0.0000, 0.0863
CMYK	0.35, 0.00, 0.09, 0.00
HSL	165°, 100%, 83%
HSV	165°, 35%, 100%
XYZ	66.4043, 85.6187, 90.1170
YIQ	226.1800, -45.3860, -25.4980

Conversions

Conversions Part 2

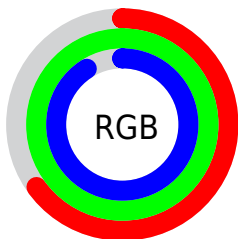
Format	Color
RYB	167, 217, 255
Decimal	11010025
CIELab	94.15, -31.11, 2.13
CIELCh	94, 31.188, 176.077
Yxy	85.6187, 0.2742, 0.3536
Android (android.graphics.Color)	4289200105 (0xFFA7FFE9)
YUV	226.1800, 3.3623, -51.9009
Hunter-Lab	92.5304, -33.8279, 7.0277

Details

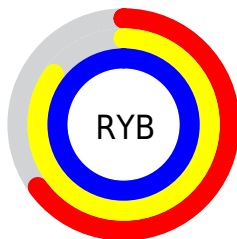
The XYZ color **66.4043, 85.6187, 90.1170** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.2446, 52.5726, 54.9061**, and the grayscale version is **72.4188, 76.1902, 82.9711**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **34.6854, 46.9420, 48.8276** is the 20% darker color. If you saturate the color by 10%, you get **60.6439, 82.7524, 85.1802**, and if you desaturate by 10%, it is **73.2615, 89.0465, 95.2797**.

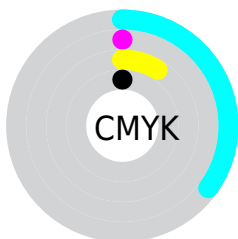
Distribution



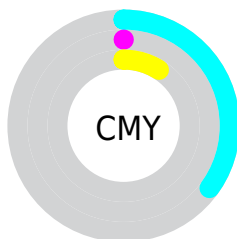
- Red (65%)
- Green (100%)
- Blue (91%)



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



- Cyan (35%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (35%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4043, 85.6187, 90.1170 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 66.4043, 85.6187, 90.1170 by changing the saturation by 10% instead.

66.4043, 85.6187,
90.1170

66.4043, 85.6187,
90.1170

437.2873,
513.6731, 548.9913

48.8696, 64.3527,
67.5034

113.1209,
141.2373, 149.4378

34.7302, 46.9364,
49.0297

143.0336,
176.3587, 186.9822

23.6206, 32.9854,
34.2773

177.8029,
216.8673, 230.3405

15.1756, 22.1153,
22.8276

217.7943,
263.1476, 279.9314

9.0299, 13.9416,
14.2622

263.3730,
315.5839, 336.1734

4.8179, 8.0801,
8.1624

314.9046,

2.1745, 4.1462,

374.5607, 399.4850

4.1098

372.7542,
440.4623, 470.2848

■ 0.7292, 1.7557,
1.6858

■ 0.0000, 0.4593,
0.3509

■ 66.4043, 85.6187,
90.1170

■ 66.4043, 85.6187,
90.1170

■ 60.6439, 82.7524,
85.1802

■ 73.2615, 89.0465,
95.2797

■ 55.9146, 80.4139,
80.4601

■ 81.2707, 93.0644,
100.6685

■ 52.1475, 78.5678,
75.9533

■ 90.4866, 97.7005,
106.2890

■ 49.2643, 77.1736,
71.6541

95.0500, 100.0000,
108.9000

■ 47.1736, 76.1843,
67.5565

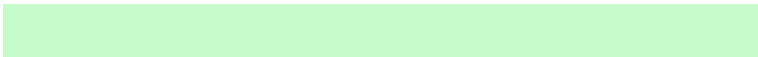
■ 45.7637, 75.5424,
63.6532

■ 45.1919, 75.2928,
61.5877

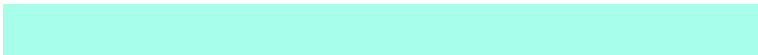
Harmonies

Analogous

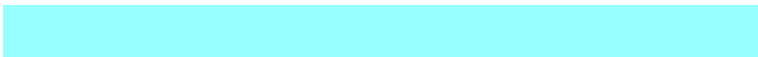
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.7830, 85.6187, 69.8698



66.4043, 85.6187, 90.1170



67.8068, 85.6187, 114.9057

Triad

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



66.4043, 85.6187, 90.1170



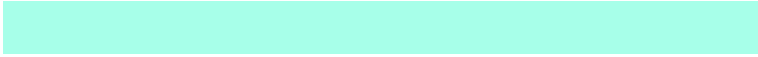
88.6329, 85.6187, 140.8617



90.6600, 85.6187, 60.0708

Complementary

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



66.4043, 85.6187, 90.1170



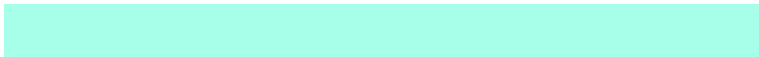
64.2446, 52.5726, 54.9061

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.



96.6490, 85.6187, 74.4575



66.4043, 85.6187, 90.1170



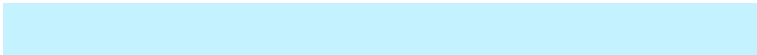
95.4237, 85.6187, 121.2769

Square

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



66.4043, 85.6187, 90.1170



80.2857, 85.6187, 146.9622



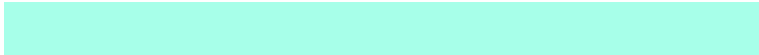
98.4487, 85.6187, 96.4020



82.4802, 85.6187, 54.5005

Rectangle

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



66.4043, 85.6187, 90.1170



70.7525, 85.6187, 130.3724



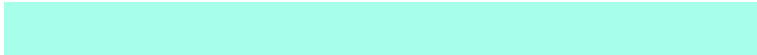
98.4487, 85.6187, 96.4020



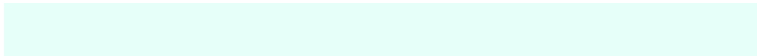
93.0173, 85.6187, 63.9020

Sweetspot

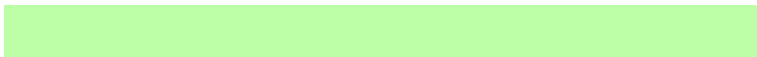
The Sweet Spot groups the original color and five complimentary colors.



66.4052, 85.6191, 90.1184



85.2734, 95.0766, 103.1737



63.7221, 85.1292, 49.6336



17.9793, 20.2131, 21.9152



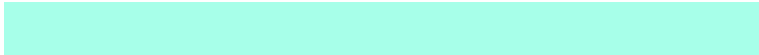
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

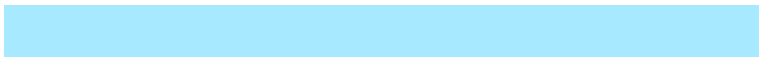
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.4052, 85.6191, 90.1184



62.5445, 83.6964, 86.8878



63.1261, 73.7140, 105.5089



18.3494, 20.3993, 22.1430



23.6767, 39.3673, 32.5125



2.3490, 3.8505, 3.3956

Inverse Universe

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



64.2446, 52.5726, 54.9061



60.1129, 46.3744, 47.1618



66.4134, 60.4462, 44.7275



18.1956, 18.0616, 19.6472



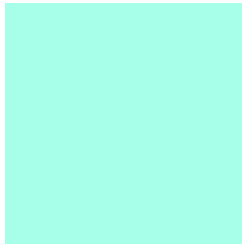
22.0784, 11.3206, 3.7972



2.1912, 1.1188, 0.5882

Previews

White Background



This preview shows how the XYZ color 66.4043, 85.6187, 90.1170 looks on a white background.

Color Contrast Check

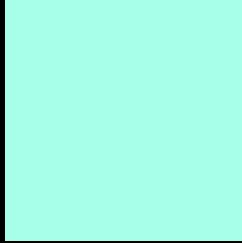
Large Text (above 18pt) WCAG AA × Fail

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 66.4043, 85.6187, 90.1170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

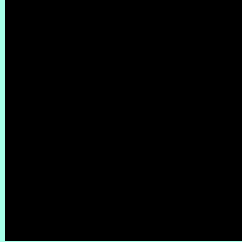
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

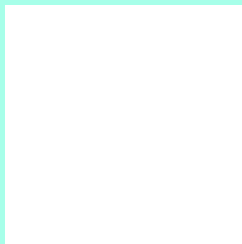
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.4043, 85.6187, 90.1170

Background



This preview shows how black text looks on a background with the XYZ color 66.4043, 85.6187, 90.1170.



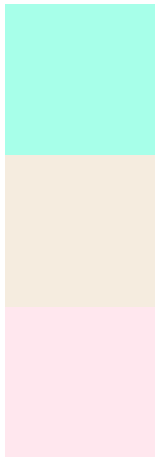
This preview shows how white text looks on a background with the XYZ color 66.4043, 85.6187,

90.1170.

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

66.4043, 85.6187, 90.1170

Protanopia

80.9709, 84.7311, 81.8991

Deuteranopia

85.2485, 84.5849, 92.7224



Tritanopia

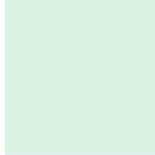
76.1328, 85.1868, 107.0378

Trichromacy



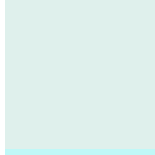
Original Color

66.4043, 85.6187, 90.1170



Protanomaly

74.5310, 84.3989, 85.0355



Deuteranomaly

76.7318, 84.0643, 91.5387



Tritanomaly

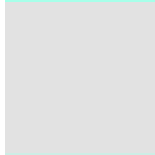
72.0941, 85.0567, 100.6135

Monochromacy



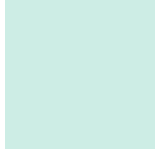
Original Color

66.4043, 85.6187, 90.1170



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.6039, 79.2047, 85.7483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4043, 85.6187, 90.1170 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(167, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 233)  
}
```

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(167, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 233) }
```

Border

The CSS property to change the border of an element to XYZ 66.4043, 85.6187, 90.1170 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(167, 255, 233) }
```


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

```
.border{ border-color:rgb(167, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4043, 85.6187, 90.1170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 233) }
```

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

```
.background{ background-color: rgb(167,  
255, 233) }
```

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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