

Converting Colors

XYZ(69.7464, 81.7457,
126.3417)

Have a look what the booklet for
XYZ(69.7464, 81.7457, 126.3417)
contains.

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Color

**XYZ(66.0122, 80.4173,
106.6506)**

Conversions

Conversions Part 1

Format	Color
Hex	A4F5FF
RGB	164, 245, 255
RGB Percent	64%, 96%, 100%
CMY	0.3568, 0.0392, 0.0000
CMYK	0.36, 0.04, 0.00, 0.00
HSL	187°, 100%, 82%
HSV	187°, 36%, 100%
XYZ	66.0122, 80.4173, 106.6506
YIQ	221.9210, -51.4860, -14.0620

Conversions

Conversions Part 2

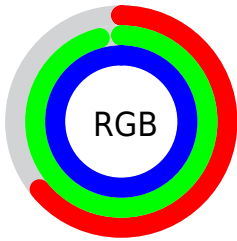
Format	Color
RYB	164, 207, 255
Decimal	10810879
CIELab	91.87, -22.17, -12.64
CIELCh	92, 25.522, 209.681
Yxy	80.4173, 0.2608, 0.3178
Android (android.graphics.Color)	4289000959 (0xFFA4F5FF)
YUV	221.9210, 16.3079, -50.7967
Hunter-Lab	89.6757, -25.5348, -7.7401

Details

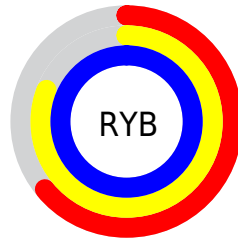
The XYZ color **66.0122, 80.4173, 106.6506** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.0771, 54.2124, 42.2633**, and the grayscale version is **69.2918, 72.9004, 79.3885**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **34.5750, 43.6606, 60.0311** is the 20% darker color. If you saturate the color by 10%, you get **60.4275, 76.2917, 106.1486**, and if you desaturate by 10%, it is **72.6691, 85.1186, 107.2072**.

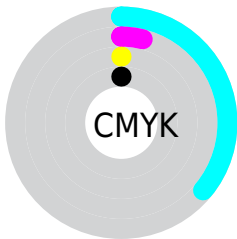
Distribution



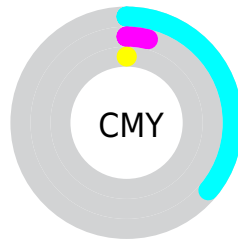
- Red (64%)
- Green (96%)
- Blue (100%)



- Red (64%)
- Yellow (81%)
- Blue (100%)



- Cyan (36%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (36%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.0122, 80.4173, 106.6506 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 66.0122, 80.4173, 106.6506 by changing the saturation by 10% instead.

 66.0122, 80.4173,
106.6506


 66.0122, 80.4173,
106.6506


435.9085,
496.3381, 602.7390

 48.5500, 60.0618,
81.2185


 112.5615,
133.9523, 172.3983

 34.4757, 43.4685,
60.1895


 142.3793,
167.9005, 213.5510

 23.4239, 30.2528,
43.1451

177.0464,
207.1485, 260.7810

 15.0293, 20.0306,
29.6667

216.9281,
252.0806, 314.5068

 8.9264, 12.4173,
19.3359

262.3899,
303.0812, 375.1469

 4.7499, 7.0285,
11.7340

313.7969,

 2.1345, 3.4799,

360.5348, 443.1200

6.4425

371.5147,
424.8256, 518.8445

■ 0.7079, 1.3871,
3.0428

■ 0.0000, 0.2072,
1.1165

■ 66.0122, 80.4173,
106.6506

■ 66.0122, 80.4173,
106.6506

■ 60.4275, 76.2917,
106.1486

■ 72.6691, 85.1186,
107.2072

■ 55.8449, 72.6997,
105.6969

■ 80.4498, 90.4164,
107.8197

■ 52.1965, 69.6082,
105.2924

■ 89.4106, 96.3418,
108.4911

■ 49.4027, 66.9761,
104.9316

■ 95.0500, 100.0000,
108.9000

■ 47.3709, 64.7554,
104.6101

■ 45.9859, 62.8869,
104.3224

■ 45.5161, 62.1522,
104.2054

Harmonies

Analogous

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



64.5260, 80.4173, 87.3602



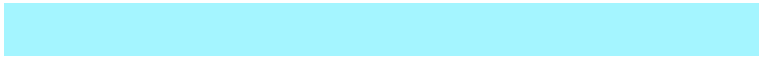
66.0122, 80.4173, 106.6506



70.2547, 80.4173, 122.5093

Triad

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



66.0122, 80.4173, 106.6506



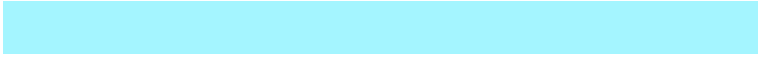
87.8223, 80.4173, 107.0477



76.5043, 80.4173, 56.2344

Complementary

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



66.0122, 80.4173, 106.6506



63.0771, 54.2124, 42.2633

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.



82.9659, 80.4173, 59.9843



66.0122, 80.4173, 106.6506



89.7242, 80.4173, 87.7617

Square

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



66.0122, 80.4173, 106.6506



82.8377, 80.4173, 122.7606



87.8992, 80.4173, 70.8967



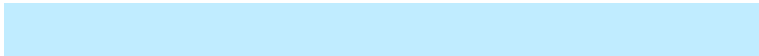
70.3696, 80.4173, 59.8285

Rectangle

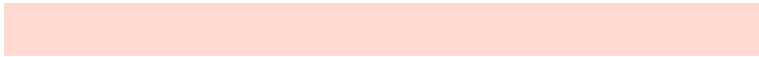
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.0122, 80.4173, 106.6506



74.2017, 80.4173, 128.0283



87.8992, 80.4173, 70.8967



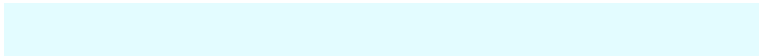
78.7111, 80.4173, 56.6691

Sweetspot

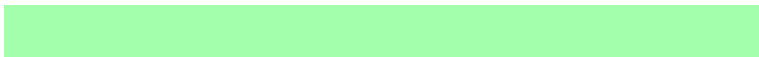
The Sweet Spot groups the original color and five complimentary colors.



66.0144, 80.4204, 106.6511



84.4977, 93.1126, 108.1268



58.6235, 82.4341, 52.4092



17.8295, 19.7598, 23.1243



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.



66.0144, 80.4204, 106.6511



61.8260, 77.3460, 106.2784



54.1082, 56.6081, 102.6824



18.3744, 20.1204, 23.1651



23.8516, 32.6128, 54.4724



2.3690, 3.2687, 5.3193

Inverse Universe

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



70.9982, 54.4051, 93.1489



67.5899, 48.0863, 90.4778



73.1689, 74.3958, 45.6272



18.7016, 18.2640, 22.3119



28.8274, 14.0202, 39.3371



2.8304, 1.3745, 3.9541

Previews

White Background



This preview shows how the XYZ color 66.0122, 80.4173, 106.6506 looks on a white background.

Color Contrast Check

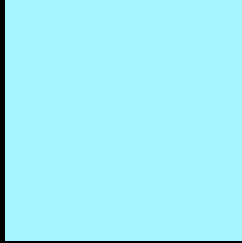
Large Text (above 18pt) WCAG AA × Fail

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 66.0122, 80.4173, 106.6506 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 66.0122, 80.4173, 106.6506

Background



This preview shows how black text looks on a background with the XYZ color 66.0122, 80.4173, 106.6506.

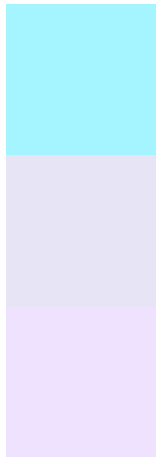


This preview shows how white text looks on a background with the XYZ color 66.0122, 80.4173,

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

66.0122, 80.4173, 106.6506

Protanopia

77.4557, 79.6201, 97.6721

Deuteranopia

80.5063, 79.7899, 105.7656



Tritanopia

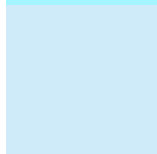
69.4598, 79.9793, 106.3844

Trichromacy



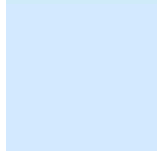
Original Color

66.0122, 80.4173, 106.6506



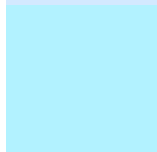
Protanomaly

72.5393, 79.5216, 101.1485



Deuteranomaly

74.0529, 79.3467, 106.0202



Tritanomaly

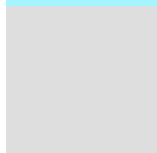
68.1622, 80.1892, 106.4933

Monochromacy



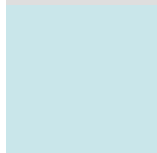
Original Color

66.0122, 80.4173, 106.6506



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

67.2355, 74.9516, 88.7653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.0122, 80.4173, 106.6506 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(164, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 245, 255)  
}
```

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(164, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.0122, 80.4173, 106.6506 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(164, 245, 255) }
```


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

```
.border{ border-color:rgb(164, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.0122, 80.4173, 106.6506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 245, 255) }
```

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

```
.background{ background-color: rgb(164,  
245, 255) }
```

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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