

Converting Colors

XYZ(64.8118, 77.6071,
106.1715)

Have a look what the booklet for
XYZ(64.8118, 77.6071, 106.1715)
contains.

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Color

**XYZ(64.7271, 77.5395,
106.1629)**

Conversions

Conversions Part 1

Format	Color
Hex	A5F0FF
RGB	165, 240, 255
RGB Percent	65%, 94%, 100%
CMY	0.3529, 0.0588, 0.0000
CMYK	0.35, 0.06, 0.00, 0.00
HSL	190°, 100%, 82%
HSV	190°, 35%, 100%
XYZ	64.7271, 77.5395, 106.1629
YIQ	219.2850, -49.5150, -11.2350

Conversions

Conversions Part 2

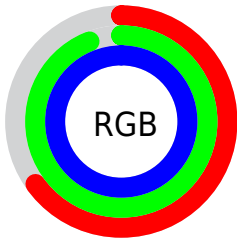
Format	Color
R_{YB}	165, 206, 255
Decimal	10875135
CIE _{Lab}	90.57, -19.45, -14.58
CIE _{LCh}	91, 24.310, 216.853
Yxy	77.5395, 0.2605, 0.3121
Android (android.graphics.Color)	4289065215 (0xFFA5F0FF)
YUV	219.2850, 17.6075, -47.6079
Hunter-Lab	88.0565, -22.8901, -9.8418

Details

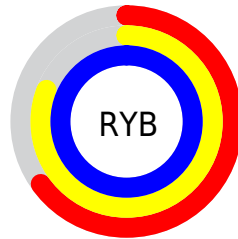
The XYZ color **64.7271, 77.5395, 106.1629** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.3530, 56.6190, 43.1359**, and the grayscale version is **67.4377, 70.9497, 77.2643**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **33.6402, 41.6094, 59.6845** is the 20% darker color. If you saturate the color by 10%, you get **58.7068, 72.6026, 105.5273**, and if you desaturate by 10%, it is **71.8382, 83.0860, 106.8587**.

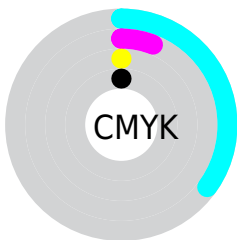
Distribution



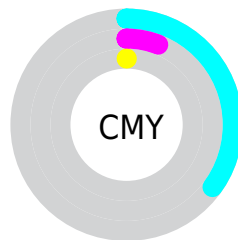
- Red (65%)
- Green (94%)
- Blue (100%)



- Red (65%)
- Yellow (81%)
- Blue (100%)



- Cyan (35%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7271, 77.5395, 106.1629 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 64.7271, 77.5395, 106.1629 by changing the saturation by 10% instead.

64.7271, 77.5395,
106.1629

64.7271, 77.5395,
106.1629

431.3714,
486.6015, 601.1906

47.5037, 57.6958,
80.8119

110.7253,
129.9008, 171.7264

33.6436, 41.5641,
59.8566

140.2308,
163.1871, 212.7760

22.7816, 28.7601,
42.8785

174.5611,
201.7231, 259.8955

14.5521, 18.8994,
29.4591

214.0815,
245.8931, 313.5034

8.5899, 11.5976,
19.1798

259.1574,
296.0815, 374.0183

4.5296, 6.4703,
11.6222

310.1541,

2.0059, 3.1331,

352.6728, 441.8588

6.3676

367.4370,
416.0513, 517.4434

0.6373, 1.2016,
2.9975

0.0000, 0.0630,
1.0933

64.7271, 77.5395,
106.1629

64.7271, 77.5395,
106.1629

58.7068, 72.6026,
105.5273

71.8382, 83.0860,
106.8587

53.7078, 68.2334,
104.9474

80.0920, 89.2635,
107.6160

49.6619, 64.3985,
104.4204

89.5446, 96.1031,
108.4380

46.4901, 61.0568,
103.9426

95.0500, 100.0000,
108.9000

■ 44.1000, 58.1604,
103.5095

■ 42.3777, 55.6502,
103.1158

■ 41.7213, 54.5626,
102.9404

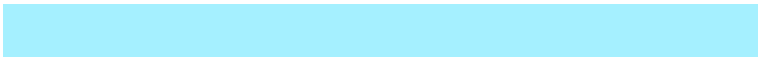
Harmonies

Analogous

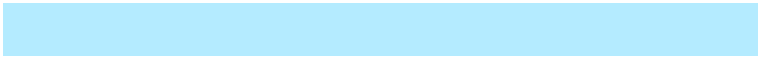
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.6814, 77.5395, 88.4895



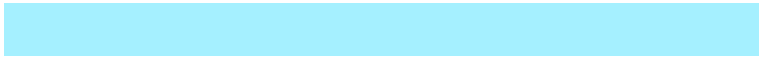
64.7271, 77.5395, 106.1629



69.1945, 77.5395, 119.1408

Triad

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



64.7271, 77.5395, 106.1629



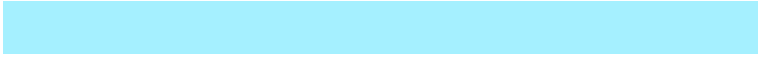
84.9900, 77.5395, 98.2968



72.3115, 77.5395, 55.3354

Complementary

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



64.7271, 77.5395, 106.1629



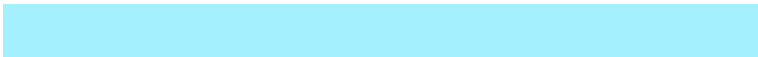
64.3530, 56.6190, 43.1359

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.



78.3948, 77.5395, 57.2109



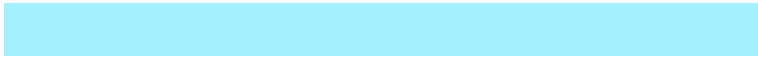
64.7271, 77.5395, 106.1629



85.9374, 77.5395, 80.4914

Square

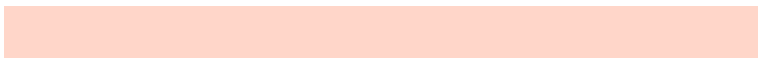
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.7271, 77.5395, 106.1629



80.9419, 77.5395, 114.1805



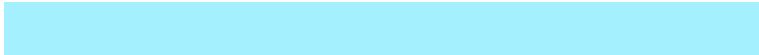
83.4638, 77.5395, 65.8815



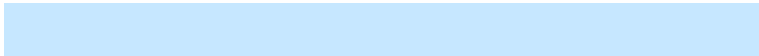
66.9015, 77.5395, 60.3517

Rectangle

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



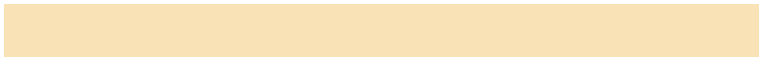
64.7271, 77.5395, 106.1629



73.0585, 77.5395, 122.5022



83.4638, 77.5395, 65.8815



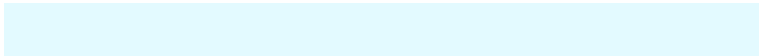
74.3431, 77.5395, 55.1930

Sweetspot

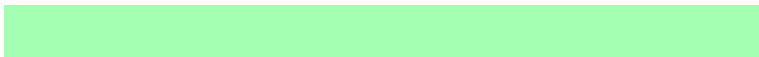
The Sweet Spot groups the original color and five complimentary colors.



64.7292, 77.5425, 106.1633



83.9998, 92.1169, 107.9608



59.3643, 82.7543, 55.2292



17.7101, 19.5210, 23.0845



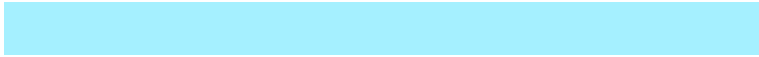
0.0000, 0.0000, 0.0000



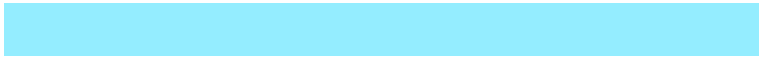
20.3446, 21.4041, 23.3091

Same Dimension

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



64.7292, 77.5425, 106.1633



60.5736, 74.1644, 105.7303



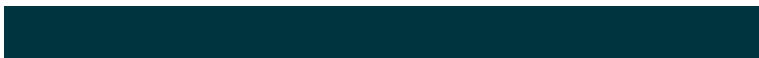
53.4213, 54.9266, 102.3940



18.2821, 19.9358, 23.1344



21.8956, 28.7008, 53.8204



2.1972, 2.9252, 5.2621

Inverse Universe

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



70.4246, 54.4631, 89.2421



67.1229, 48.5319, 86.0689



74.5537, 77.0204, 46.5361



18.6550, 18.2453, 22.0665



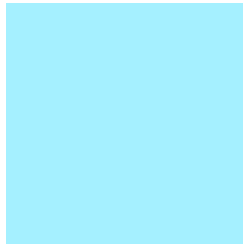
27.8401, 13.6253, 34.1380



2.7437, 1.3398, 3.4976

Previews

White Background



This preview shows how the XYZ color 64.7271, 77.5395, 106.1629 looks on a white background.

Color Contrast Check

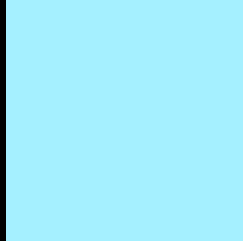
Large Text (above 18pt) WCAG AA × Fail

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 64.7271, 77.5395, 106.1629 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 64.7271, 77.5395, 106.1629

Background



This preview shows how black text looks on a background with the XYZ color 64.7271, 77.5395, 106.1629.

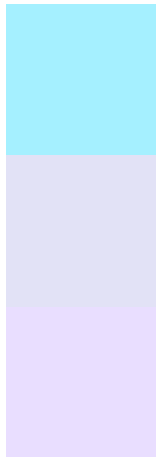


This preview shows how white text looks on a background with the XYZ color 64.7271, 77.5395,

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

64.7271, 77.5395, 106.1629

Protanopia

75.1949, 77.2153, 98.1296

Deuteranopia

77.7755, 76.7862, 105.3297



Tritanopia

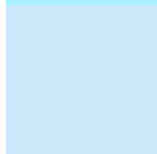
66.3037, 77.4830, 106.0689

Trichromacy



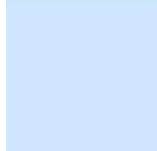
Original Color

64.7271, 77.5395, 106.1629



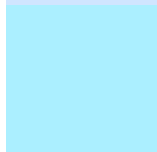
Protanomaly

70.5766, 76.8288, 100.7322



Deuteranomaly

72.0817, 76.6685, 105.6071



Tritanomaly

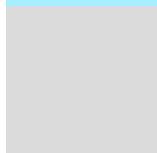
65.7111, 77.6109, 106.1248

Monochromacy



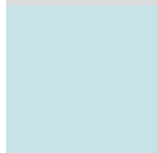
Original Color

64.7271, 77.5395, 106.1629



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

65.5878, 72.9065, 86.9594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7271, 77.5395, 106.1629 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(165, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 240, 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(165, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.7271, 77.5395, 106.1629 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(165, 240, 255) }
```


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

```
.border{ border-color:rgb(165, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7271, 77.5395, 106.1629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 240, 255) }
```

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

```
.background{ background-color: rgb(165,  
240, 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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