

Converting Colors

XYZ(71.5385, 79.2641,
133.1639)

Have a look what the booklet for
XYZ(71.5385, 79.2641, 133.1639)
contains.

XYZ(66.2387, 77.0185, 105.9826)	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(66.2387, 77.0185,
105.9826)**

Conversions

Conversions Part 1

Format	Color
Hex	B0EDFF
RGB	176, 237, 255
RGB Percent	69%, 93%, 100%
CMY	0.3098, 0.0706, 0.0000
CMYK	0.31, 0.07, 0.00, 0.00
HSL	194°, 100%, 85%
HSV	194°, 31%, 100%
XYZ	66.2387, 77.0185, 105.9826
YIQ	220.8130, -42.1340, -7.3340

Conversions

Conversions Part 2

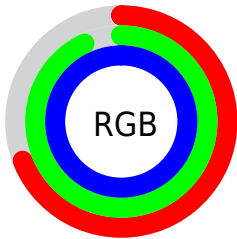
Format	Color
R _Y B	176, 210, 255
Decimal	11595263
CIE Lab	90.33, -15.02, -14.88
CIE LCh	90, 21.145, 224.727
Yxy	77.0185, 0.2658, 0.3090
Android (android.graphics.Color)	4289785343 (0xFFB0EDFF)
YUV	220.8130, 16.8542, -39.3010
Hunter-Lab	87.7602, -18.8540, -10.1688

Details

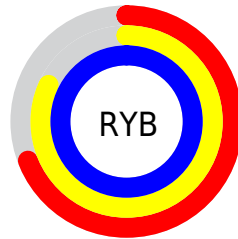
The XYZ color **66.2387, 77.0185, 105.9826** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.3685, 62.9780, 49.6287**, and the grayscale version is **68.5046, 72.0722, 78.4866**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **34.6021, 41.1899, 59.5528** is the 20% darker color. If you saturate the color by 10%, you get **59.3512, 71.0132, 105.1865**, and if you desaturate by 10%, it is **74.2678, 83.6970, 106.8485**.

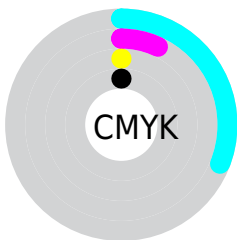
Distribution



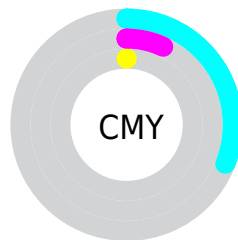
- Red (69%)
- Green (93%)
- Blue (100%)



- Red (69%)
- Yellow (82%)
- Blue (100%)



- Cyan (31%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.2387, 77.0185, 105.9826 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 66.2387, 77.0185, 105.9826 by changing the saturation by 10% instead.

66.2387, 77.0185,
105.9826

66.2387, 77.0185,
105.9826

436.7053,
484.8271, 600.6176

48.7346, 57.2681,
80.6615

112.8847,
129.1656, 171.4780

34.6227, 41.2205,
59.7335

142.7573,
162.3310, 212.4893

23.5375, 28.4914,
42.7800

177.4835,
200.7369, 259.5679

15.1138, 18.6964,
29.3824

217.4286,
244.7677, 313.1322

8.9861, 11.4511,
19.1222

262.9580,
294.8077, 373.6008

4.7892, 6.3711,
11.5809

314.4370,

2.1576, 3.0720,

351.2413, 441.3922

6.3400

372.2309,
414.4530, 516.9249

0.7202, 1.1695,
2.9808

0.0000, 0.0365,
1.0848

66.2387, 77.0185,
105.9826

66.2387, 77.0185,
105.9826

59.3512, 71.0132,
105.1865

74.2678, 83.6970,
106.8485

53.5378, 65.6399,
104.4558

83.4888, 91.0696,
107.7856

48.7332, 60.8660,
103.7875

93.9564, 99.1673,
108.7969

44.8624, 56.6521,
103.1782

95.0500, 100.0000,
108.9000

■ 41.8388, 52.9527,
102.6235

■ 39.5593, 49.7140,
102.1185

■ 37.9959, 47.1118,
101.6986

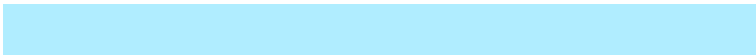
Harmonies

Analogous

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



63.8354, 77.0185, 91.4550



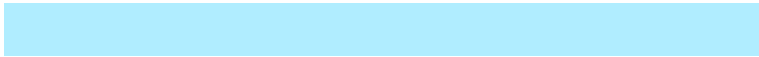
66.2387, 77.0185, 105.9826



70.5671, 77.0185, 115.0825

Triad

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



66.2387, 77.0185, 105.9826



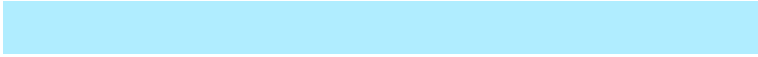
83.4194, 77.0185, 91.7383



70.6582, 77.0185, 58.8103

Complementary

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



66.2387, 77.0185, 105.9826



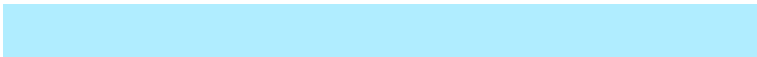
68.3685, 62.9780, 49.6287

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.



75.9053, 77.0185, 58.8668



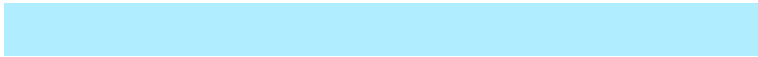
66.2387, 77.0185, 105.9826



83.4466, 77.0185, 76.6977

Square

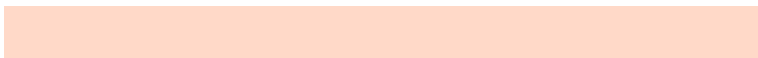
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



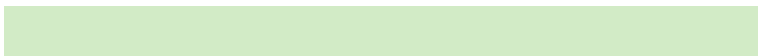
66.2387, 77.0185, 105.9826



80.5679, 77.0185, 106.2114



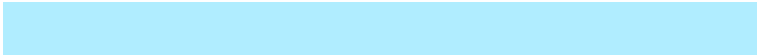
80.6408, 77.0185, 65.0524



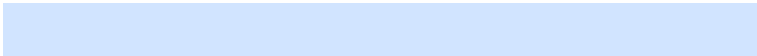
66.3026, 77.0185, 64.8875

Rectangle

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



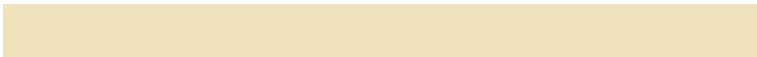
66.2387, 77.0185, 105.9826



74.0419, 77.0185, 116.2300



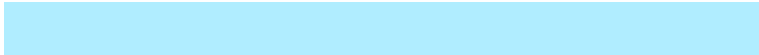
80.6408, 77.0185, 65.0524



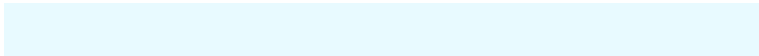
72.3720, 77.0185, 58.1383

Sweetspot

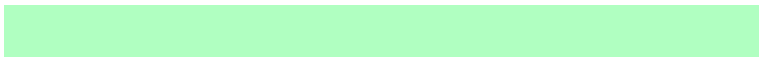
The Sweet Spot groups the original color and five complimentary colors.



66.2408, 77.0215, 105.9831



85.4597, 92.6137, 107.9798



63.3043, 84.6061, 63.5161



17.9807, 19.5796, 23.0815



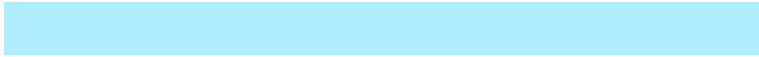
0.0000, 0.0000, 0.0000



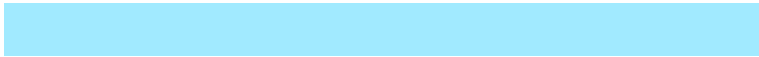
20.3446, 21.4041, 23.3091

Same Dimension

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



66.2408, 77.0215, 105.9831



61.9601, 73.3260, 105.4954



56.2377, 57.0154, 102.6488



18.1834, 19.7383, 23.1015



19.9717, 24.8530, 53.1791



2.0262, 2.5830, 5.2051

Inverse Universe

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



72.0528, 58.4268, 87.6041



68.7043, 52.5398, 83.9910



78.1076, 82.4563, 52.8751



18.6052, 18.2254, 21.8041



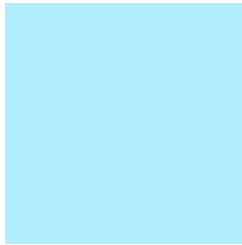
26.8690, 13.2369, 29.0243



2.6573, 1.3053, 3.0429

Previews

White Background



This preview shows how the XYZ color 66.2387, 77.0185, 105.9826 looks on a white background.

Color Contrast Check

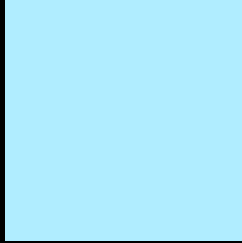
Large Text (above 18pt) WCAG AA × Fail

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 66.2387, 77.0185, 105.9826 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 66.2387, 77.0185, 105.9826

Background



This preview shows how black text looks on a background with the XYZ color 66.2387, 77.0185, 105.9826.

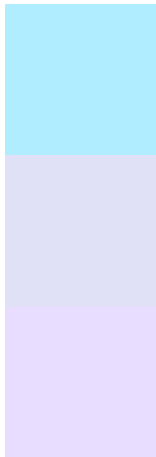


This preview shows how white text looks on a background with the XYZ color 66.2387, 77.0185,

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

66.2387, 77.0185, 105.9826

Protanopia

74.4542, 76.4131, 98.8207

Deuteranopia

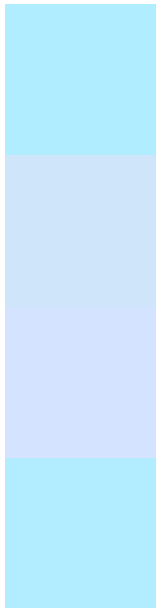
77.5107, 76.2565, 105.2415



Tritanopia

66.6943, 77.2534, 106.0040

Trichromacy



Original Color

66.2387, 77.0185, 105.9826

Protanomaly

71.0068, 76.2061, 101.4093

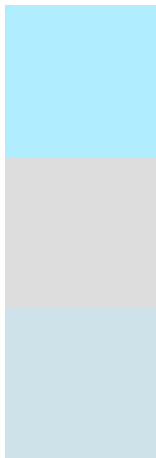
Deuteranomaly

72.6705, 76.1552, 105.4770

Tritanomaly

66.4656, 77.1355, 105.9933

Monochromacy



Original Color

66.2387, 77.0185, 105.9826

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.3539, 73.8005, 87.7858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2387, 77.0185, 105.9826 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(176, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 237, 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(176, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.2387, 77.0185, 105.9826 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(176, 237, 255) }
```


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

```
.border{ border-color:rgb(176, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2387, 77.0185, 105.9826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 237, 255) }
```

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

```
.background{ background-color: rgb(176,  
237, 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](#).

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