

Converting Colors

XYZ(51.7489, 66.4837,
104.7129)

Have a look what the booklet for
XYZ(51.7489, 66.4837, 104.7129)
contains.

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Color

**XYZ(51.8263, 66.6384,
104.7387)**

Conversions

Conversions Part 1

Format	Color
Hex	66E6FF
RGB	102, 230, 255
RGB Percent	40%, 90%, 100%
CMY	0.6000, 0.0980, 0.0000
CMYK	0.60, 0.10, 0.00, 0.00
HSL	190°, 100%, 70%
HSV	190°, 60%, 100%
XYZ	51.8263, 66.6384, 104.7387
YIQ	194.5780, -84.3130, -19.3610

Conversions

Conversions Part 2

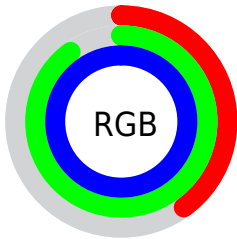
Format	Color
RYB	102, 172, 255
Decimal	6743807
CIELab	85.32, -28.25, -22.74
CIELCh	85, 36.261, 218.835
Yxy	66.6384, 0.2322, 0.2986
Android (android.graphics.Color)	4284933887 (0xFF66E6FF)
YUV	194.5780, 29.7880, -81.1909
Hunter-Lab	81.6323, -29.5315, -18.9296

Details

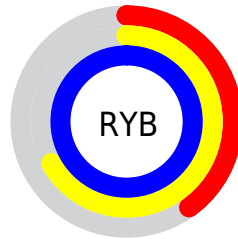
The XYZ color **51.8263, 66.6384, 104.7387** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.2286, 37.3994, 17.0912**, and the grayscale version is **51.4875, 54.1688, 58.9898**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **25.3917, 34.3816, 58.7241** is the 20% darker color. If you saturate the color by 10%, you get **48.2231, 63.0816, 104.2421**, and if you desaturate by 10%, it is **56.3494, 70.7135, 105.2869**.

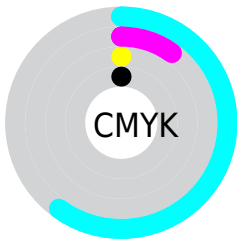
Distribution



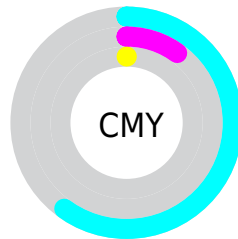
- Red (40%)
- Green (90%)
- Blue (100%)



- Red (40%)
- Yellow (67%)
- Blue (100%)



- Cyan (60%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8263, 66.6384, 104.7387 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 51.8263, 66.6384, 104.7387 by changing the saturation by 10% instead.


 51.8263, 66.6384,
104.7387


 51.8263, 66.6384,
104.7387


384.1006,
448.6566, 596.6568


 37.0904, 48.7908,
79.6250


 92.0508, 114.4021,
169.7626

 25.4514, 34.4536,
58.8855

 118.2700,
145.0871, 210.5099

 16.5442, 23.2423,
42.1015


 149.0477,
180.8199, 257.3055

 10.0034, 14.7725,
28.8546

184.7492,
221.9850, 310.5679

 5.4635, 8.6599,
18.7263

225.7399,
268.9669, 370.7158

 2.5592, 4.5200,
11.2978

272.3851,

 0.9252, 1.9685,

322.1498, 438.1675

6.1509

325.0503,
381.9183, 513.3417

■ 0.0000, 0.5891,
2.8668

■ 0.0000, 0.0000,
1.0270

■ 51.8263, 66.6384,
104.7387

■ 51.8263, 66.6384,
104.7387

■ 48.2231, 63.0816,
104.2421

■ 56.3494, 70.7135,
105.2869

■ 45.4496, 59.9919,
103.7919

■ 61.8609, 75.3380,
105.8890

■ 43.4066, 57.3194,
103.3837

■ 68.4288, 80.5489,
106.5487

■ 41.9295, 54.9789,
103.0098

■ 76.1136, 86.3776,
107.2687

■ 41.9291, 54.9781,
103.0097

■ 84.9711, 92.8530,
108.0517

95.0500, 100.0000,
108.9000

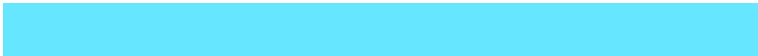
Harmonies

Analogous

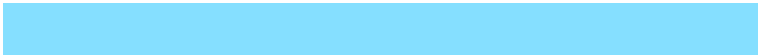
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.9926, 66.6384, 79.7209



51.8263, 66.6384, 104.7387



57.8106, 66.6384, 123.3747

Triad

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



51.8263, 66.6384, 104.7387



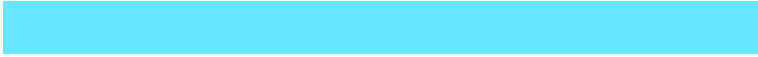
79.2185, 66.6384, 90.1246



60.9455, 66.6384, 36.4427

Complementary

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



51.8263, 66.6384, 104.7387



51.2286, 37.3994, 17.0912

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.



69.2065, 66.6384, 38.0529



51.8263, 66.6384, 104.7387



80.2410, 66.6384, 65.8374

Square

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



51.8263, 66.6384, 104.7387



73.7549, 66.6384, 113.7505



76.4389, 66.6384, 47.7528



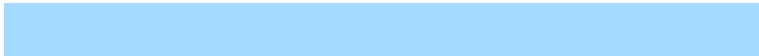
53.9509, 66.6384, 42.7466

Rectangle

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



51.8263, 66.6384, 104.7387



63.0175, 66.6384, 127.7542



76.4389, 66.6384, 47.7528



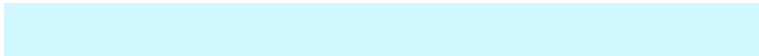
63.6592, 66.6384, 36.1109

Sweetspot

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



51.8282, 66.6408, 104.7391



77.7869, 87.6180, 107.4199



44.9393, 75.8248, 31.6547



16.1310, 18.3688, 22.9453



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.



51.8282, 66.6408, 104.7391



47.6039, 62.4266, 104.1483



35.3444, 33.6732, 99.2445



18.2873, 19.9463, 23.1361



22.0028, 28.9151, 53.8561



2.2067, 2.9441, 5.2652

Inverse Universe

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



60.2756, 36.4777, 78.7295



57.1097, 31.2539, 74.2586



64.6310, 64.2042, 21.5587



18.6577, 18.2464, 22.0805



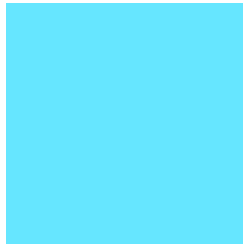
27.8942, 13.6470, 34.4229



2.7485, 1.3418, 3.5227

Previews

White Background



This preview shows how the XYZ color 51.8263, 66.6384, 104.7387 looks on a white background.

Color Contrast Check

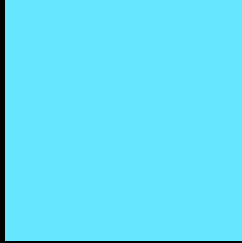
Large Text (above 18pt) WCAG AA × Fail

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 51.8263, 66.6384, 104.7387 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 51.8263, 66.6384, 104.7387

Background



This preview shows how black text looks on a background with the XYZ color 51.8263, 66.6384, 104.7387.

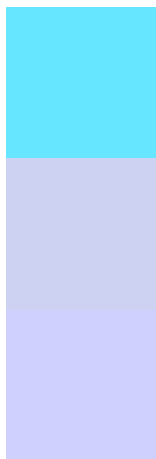


This preview shows how white text looks on a background with the XYZ color 51.8263, 66.6384,

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

51.8263, 66.6384, 104.7387

Protanopia

64.5272, 65.6258, 93.2705

Deuteranopia

66.6183, 65.7416, 103.7860



Tritanopia

51.0868, 66.7633, 100.6365

Trichromacy



Original Color

51.8263, 66.6384, 104.7387



Protanomaly

57.7498, 64.6659, 97.4337



Deuteranomaly

58.9681, 64.7667, 104.0010



Tritanomaly

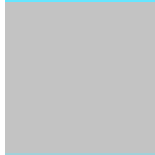
51.5134, 66.9468, 102.3024

Monochromacy



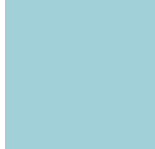
Original Color

51.8263, 66.6384, 104.7387



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.7782, 57.6986, 74.1590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8263, 66.6384, 104.7387 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(102, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 230, 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(102, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 230, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.8263, 66.6384, 104.7387 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(102, 230, 255) }
```


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

```
.border{ border-color:rgb(102, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 230,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8263, 66.6384, 104.7387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 230, 255) }
```

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

```
.background{ background-color: rgb(102,  
230, 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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