

Converting Colors

XYZ(40.8481, 47.1725,
101.5722)

Have a look what the booklet for
XYZ(40.8481, 47.1725, 101.5722)
contains.

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Color

**XYZ(40.9577, 47.3384,
101.5863)**

Conversions

Conversions Part 1

Format	Color
Hex	56C1FF
RGB	86, 193, 255
RGB Percent	34%, 76%, 100%
CMY	0.6627, 0.2431, 0.0000
CMYK	0.66, 0.24, 0.00, 0.00
HSL	202°, 100%, 67%
HSV	202°, 66%, 100%
XYZ	40.9577, 47.3384, 101.5863
YIQ	168.0750, -83.6740, -3.4020

Conversions

Conversions Part 2

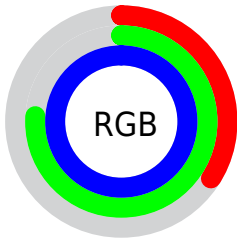
Format	Color
R _Y B	86, 152, 255
Decimal	5685759
CIE Lab	74.41, -12.02, -39.56
CIE LCh	74, 41.342, 253.100
Yxy	47.3384, 0.2157, 0.2493
Android (android.graphics.Color)	4283875839 (0xFF56C1FF)
YUV	168.0750, 42.8540, -71.9798
Hunter-Lab	68.8029, -14.1458, -39.3786

Details

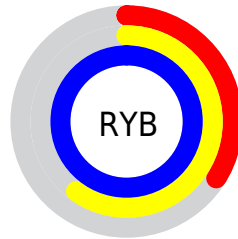
The XYZ color **40.9577, 47.3384, 101.5863** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **53.5111, 43.1140, 14.3076**, and the grayscale version is **37.0839, 39.0151, 42.4875**.

A 20% lighter version of the original color is **64.6882, 81.5507, 106.9392**, and **19.5711, 22.8334, 56.8019** is the 20% darker color. If you saturate the color by 10%, you get **37.0118, 42.3313, 100.8278**, and if you desaturate by 10%, it is **45.8744, 53.0418, 102.4280**.

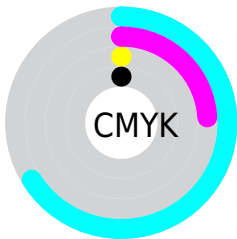
Distribution



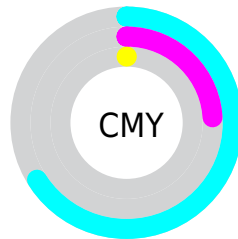
- Red (34%)
- Green (76%)
- Blue (100%)



- Red (34%)
- Yellow (60%)
- Blue (100%)



- Cyan (66%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (66%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9577, 47.3384, 101.5863 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 40.9577, 47.3384, 101.5863 by changing the saturation by 10% instead.

■ 40.9577, 47.3384,
101.5863

■ 40.9577, 47.3384,
101.5863

341.2094,
376.1637, 586.5567

■ 28.4736, 33.3033,
77.0017

■ 75.8948, 86.2185,
165.4063

■ 18.8252, 22.3589,
56.7427

■ 99.0784, 111.8323,
205.4787

■ 11.6473, 14.1208,
40.3907

■ 126.5593,
142.0744, 251.5510

■ 6.5745, 8.2047,
27.5272

■ 158.7028,
177.3292, 304.0414

■ 3.2414, 4.2262,
17.7337

195.8741,
217.9812, 363.3687

■ 1.2827, 1.8009,
10.5915

238.4388,

■ 0.1702, 0.4877,

264.4146, 429.9513

5.6822

286.7621,
317.0140, 504.2078

■ 0.0000, 0.0000,
2.5871

■ 0.0000, 0.0000,
0.8858

■ 40.9577, 47.3384,
101.5863

■ 40.9577, 47.3384,
101.5863

■ 37.0118, 42.3313,
100.8278

■ 45.8744, 53.0418,
102.4280

■ 33.9361, 37.9627,
100.1467

■ 51.8399, 59.4827,
103.3568

■ 31.6128, 34.1690,
99.5368

■ 58.9284, 66.7037,
104.3770

■ 30.8734, 32.8668,
99.3245

■ 67.2061, 74.7421,
105.4923

■ 76.7335, 83.6322,
106.7061

■ 87.5668, 93.4063,
108.0217

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.



35.3264, 47.3384, 84.9516



40.9577, 47.3384, 101.5863



48.3181, 47.3384, 102.6970

Triad

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



40.9577, 47.3384, 101.5863



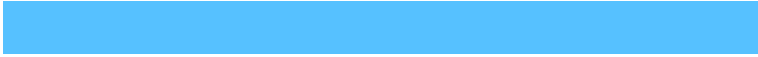
60.4325, 47.3384, 42.7957



35.9011, 47.3384, 27.0223

Complementary

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



40.9577, 47.3384, 101.5863



53.5111, 43.1140, 14.3076

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.



41.8255, 47.3384, 21.0283



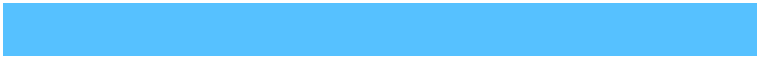
40.9577, 47.3384, 101.5863



56.2811, 47.3384, 28.2922

Square

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



40.9577, 47.3384, 101.5863



60.1338, 47.3384, 64.4092



49.2866, 47.3384, 21.4180



32.6355, 47.3384, 40.5163

Rectangle

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



40.9577, 47.3384, 101.5863



53.2760, 47.3384, 94.1003



49.2866, 47.3384, 21.4180



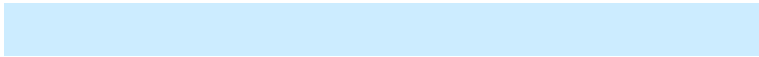
37.6177, 47.3384, 24.2545

Sweetspot

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



40.9592, 47.3400, 101.5865



73.0308, 80.2152, 106.2417



44.9418, 75.6361, 40.2362



15.0596, 16.6353, 22.6672



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.



40.9592, 47.3400, 101.5865



35.7686, 40.6305, 100.5650



27.3085, 20.0386, 97.0363



17.9618, 19.2952, 23.0276



16.2794, 17.4684, 51.9483



1.6894, 1.9094, 5.0928

Inverse Universe

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



54.1945, 31.7675, 53.7290



50.6782, 26.9294, 45.7917



71.9086, 79.9091, 20.4401



18.4934, 18.1807, 21.2152



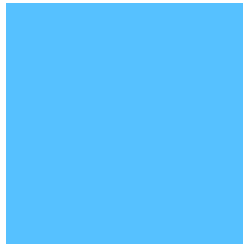
25.0053, 12.4914, 19.2101



2.4873, 1.2373, 2.1477

Previews

White Background



This preview shows how the XYZ color 40.9577, 47.3384, 101.5863 looks on a white background.

Color Contrast Check

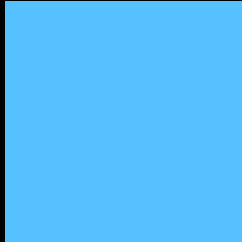
Large Text (above 18pt) WCAG AA × Fail

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 40.9577, 47.3384, 101.5863 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

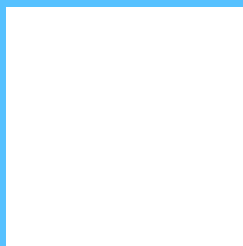
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9577, 47.3384, 101.5863

Background



This preview shows how black text looks on a background with the XYZ color 40.9577, 47.3384, 101.5863.

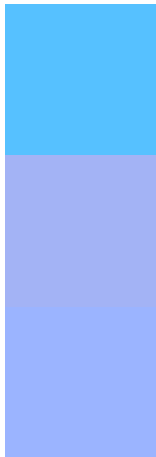


This preview shows how white text looks on a background with the XYZ color 40.9577, 47.3384,

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

40.9577, 47.3384, 101.5863

Protanopia

47.7058, 46.6193, 92.8703

Deuteranopia

47.8888, 46.8311, 101.1230



Tritanopia

35.1633, 47.3564, 72.2531

Trichromacy



Original Color

40.9577, 47.3384, 101.5863

Protanomaly

44.2310, 46.2714, 96.2226

Deuteranomaly

44.6049, 46.6638, 101.2638

Tritanomaly

36.9217, 47.0234, 81.9934

Monochromacy



Original Color

40.9577, 47.3384, 101.5863

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.6287, 41.0177, 60.6302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9577, 47.3384, 101.5863 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(86, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(86, 193, 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(86, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 193, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.9577, 47.3384, 101.5863 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(86, 193, 255) }
```


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

```
.border{ border-color:rgb(86, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(86, 193,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9577, 47.3384, 101.5863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 193, 255) }
```

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

```
.background{ background-color: rgb(86, 193,  
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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