

Converting Colors

XYZ(40.4898, 45.8584,
100.4869)

Have a look what the booklet for
XYZ(40.4898, 45.8584, 100.4869)
contains.

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Color

**XYZ(40.5006, 45.8263,
100.4767)**

Conversions

Conversions Part 1

Format	Color
Hex	5CBDFE
RGB	92, 189, 254
RGB Percent	36%, 74%, 100%
CMY	0.6392, 0.2588, 0.0039
CMYK	0.64, 0.26, 0.00, 0.00
HSL	204°, 99%, 68%
HSV	204°, 64%, 100%
XYZ	40.5006, 45.8263, 100.4767
YIQ	167.4070, -78.6770, -0.3490

Conversions

Conversions Part 2

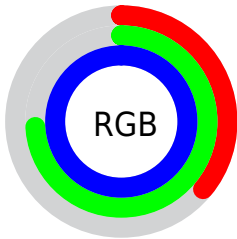
Format	Color
RYB	92, 153, 254
Decimal	6077950
CIELab	73.43, -9.23, -40.52
CIELCh	73, 41.559, 257.161
Yxy	45.8263, 0.2168, 0.2453
Android (android.graphics.Color)	4284268030 (0xFF5CBDFE)
YUV	167.4070, 42.6903, -66.1319
Hunter-Lab	67.6951, -11.6736, -40.6148

Details

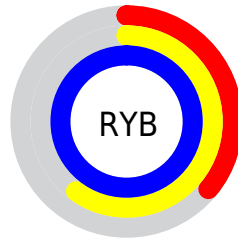
The XYZ color **40.5006, 45.8263, 100.4767** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **54.8637, 45.9602, 16.1067**, and the grayscale version is **36.7565, 38.6707, 42.1124**.

A 20% lighter version of the original color is **64.2200, 79.4934, 106.5667**, and **18.8822, 21.6395, 56.0050** is the 20% darker color. If you saturate the color by 10%, you get **36.2598, 40.4998, 99.6730**, and if you desaturate by 10%, it is **45.7489, 51.9024, 101.3738**.

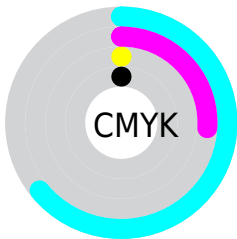
Distribution



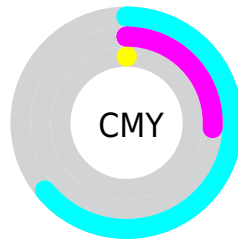
- Red (36%)
- Green (74%)
- Blue (100%)



- Red (36%)
- Yellow (60%)
- Blue (100%)



- Cyan (64%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (64%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5006, 45.8263, 100.4767 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 40.5006, 45.8263, 100.4767 by changing the saturation by 10% instead.

■ 40.5006, 45.8263,
100.4767

■ 40.5006, 45.8263,
100.4767

339.3274,
370.1099, 582.9797

■ 28.1150, 32.1088,
76.0796

■ 75.2047, 83.9590,
163.8697

■ 18.5533, 21.4446,
55.9907

■ 98.2540, 109.1429,
203.7027

■ 11.4500, 13.4494,
39.7916

■ 125.5885,
138.9178, 249.5181

■ 6.4399, 7.7387,
27.0635

■ 157.5736,
173.6680, 301.7344

■ 3.1575, 3.9282,
17.3881

194.5747,
213.7779, 360.7702

■ 1.2376, 1.6335,
10.3467

236.9571,

■ 0.1358, 0.3800,

259.6319, 427.0439

5.5208

285.0862,
311.6144, 500.9743

■ 0.0000, 0.0000,
2.4919

■ 0.0000, 0.0000,
0.8359

■ 40.5006, 45.8263,
100.4767

■ 40.5006, 45.8263,
100.4767

■ 36.2598, 40.4998,
99.6730

■ 45.7489, 51.9024,
101.3738

■ 32.9296, 35.8661,
98.9541

■ 52.0794, 58.7689,
102.3655

■ 30.4000, 31.8642,
98.3150

■ 59.5650, 66.4685,
103.4572

■ 29.1316, 29.6399,
97.9525

■ 68.2701, 75.0387,
104.6526

■ 78.2543, 84.5144,
105.9553

■ 89.5729, 94.9282,
107.3688

94.8896, 99.9358,
108.0552

Harmonies

Analogous

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



34.6629, 45.8263, 85.7134



40.5006, 45.8263, 100.4767



47.8469, 45.8263, 99.2259

Triad

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



40.5006, 45.8263, 100.4767



58.4510, 45.8263, 38.9141



34.0217, 45.8263, 27.1848

Complementary

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



40.5006, 45.8263, 100.4767



54.8637, 45.9602, 16.1067

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.



39.5306, 45.8263, 20.4230



40.5006, 45.8263, 100.4767



53.8544, 45.8263, 25.7745

Square

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



40.5006, 45.8263, 100.4767



58.7862, 45.8263, 59.4097



46.7624, 45.8263, 19.9919



31.2144, 45.8263, 41.4583

Rectangle

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



40.5006, 45.8263, 100.4767



52.6325, 45.8263, 89.4506



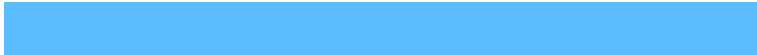
46.7624, 45.8263, 19.9919



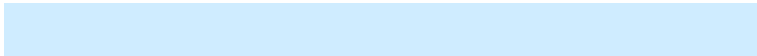
35.5889, 45.8263, 24.1560

Sweetspot

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



40.5022, 45.8279, 100.4778



73.5254, 80.1584, 106.2047



45.9259, 75.5878, 43.9807



15.1341, 16.5812, 22.6528



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.



40.5022, 45.8279, 100.4778



35.4006, 39.2745, 100.3227



27.6886, 20.2006, 96.2066



17.9076, 19.1869, 23.0096



15.5068, 15.9231, 51.6908



1.6169, 1.7645, 5.0686

Inverse Universe

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



53.8869, 32.4010, 51.5595



50.6439, 27.4952, 43.8242



73.3225, 82.8776, 22.2596



18.4660, 18.1697, 21.0712



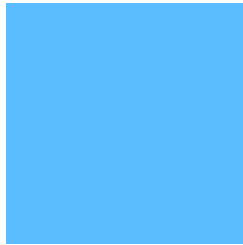
24.6153, 12.3354, 17.1565



2.4507, 1.2227, 1.9550

Previews

White Background



This preview shows how the XYZ color 40.5006, 45.8263, 100.4767 looks on a white background.

Color Contrast Check

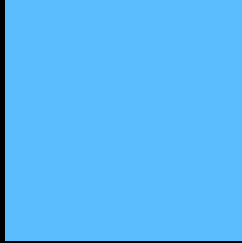
Large Text (above 18pt) WCAG AA × Fail

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 40.5006, 45.8263, 100.4767 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

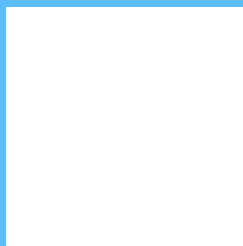
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5006, 45.8263, 100.4767

Background



This preview shows how black text looks on a background with the XYZ color 40.5006, 45.8263, 100.4767.

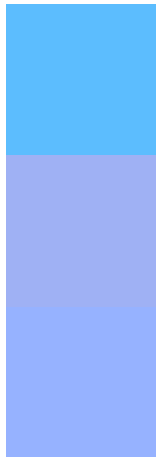


This preview shows how white text looks on a background with the XYZ color 40.5006, 45.8263,

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

40.5006, 45.8263, 100.4767

Protanopia

46.3494, 45.3469, 91.8979

Deuteranopia

46.5481, 45.5448, 100.9454



Tritanopia

34.5750, 46.0762, 70.0221

Trichromacy



Original Color

40.5006, 45.8263, 100.4767

Protanomaly

43.4588, 44.9760, 95.1976

Deuteranomaly

43.8312, 45.3430, 101.0497

Tritanomaly

36.5198, 45.8473, 80.3234

Monochromacy



Original Color

40.5006, 45.8263, 100.4767

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.4540, 40.3589, 59.9015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5006, 45.8263, 100.4767 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(92, 189, 254)` looks like.

```
.text, #text, p{  
    color:rgb(92, 189, 254)  
}
```

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(92, 189, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 189, 254) }
```

Border

The CSS property to change the border of an element to XYZ 40.5006, 45.8263, 100.4767 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(92, 189, 254) }
```


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

```
.border{ border-color:rgb(92, 189, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 189, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 189, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 189, 254);  
box-shadow:4px 4px 4px 4px rgb(92, 189,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5006, 45.8263, 100.4767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 189, 254) }
```

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

```
.background{ background-color: rgb(92, 189,  
254) }
```

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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