

Converting Colors

XYZ(40.7580, 46.0071,
101.3398)

Have a look what the booklet for
XYZ(40.7580, 46.0071, 101.3398)
contains.

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Color

**XYZ(40.7618, 45.9423,
101.3271)**

Conversions

Conversions Part 1

Format	Color
Hex	5DBDFF
RGB	93, 189, 255
RGB Percent	36%, 74%, 100%
CMY	0.6353, 0.2588, 0.0000
CMYK	0.64, 0.26, 0.00, 0.00
HSL	204°, 100%, 68%
HSV	204°, 64%, 100%
XYZ	40.7618, 45.9423, 101.3271
YIQ	167.8200, -78.4020, 0.1740

Conversions

Conversions Part 2

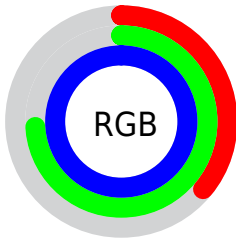
Format	Color
R _Y B	93, 153, 255
Decimal	6143487
CIE Lab	73.51, -8.75, -40.94
CIE LCh	74, 41.863, 257.932
Yxy	45.9423, 0.2168, 0.2443
Android (android.graphics.Color)	4284333567 (0xFF5DBDFF)
YUV	167.8200, 42.9797, -65.6171
Hunter-Lab	67.7807, -11.2705, -41.1875

Details

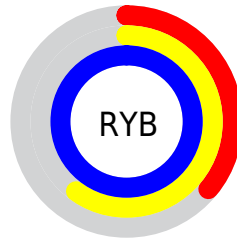
The XYZ color **40.7618, 45.9423, 101.3271** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **55.6156, 46.8492, 16.4697**, and the grayscale version is **36.9566, 38.8812, 42.3416**.

A 20% lighter version of the original color is **64.4127, 79.5927, 106.5758**, and **18.9972, 21.6855, 56.6105** is the 20% darker color. If you saturate the color by 10%, you get **36.4425, 40.5167, 100.5075**, and if you desaturate by 10%, it is **46.1042, 52.1345, 102.2408**.

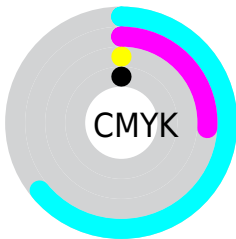
Distribution



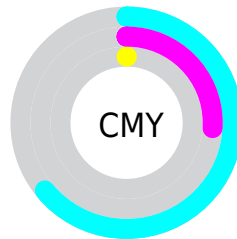
- Red (36%)
- Green (74%)
- Blue (100%)



- 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 40.7618, 45.9423, 101.3271 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 40.7618, 45.9423, 101.3271 by changing the saturation by 10% instead.

40.7618, 45.9423,
101.3271

40.7618, 45.9423,
101.3271

340.4037,
370.5766, 585.7221

28.3199, 32.2003,
76.7863

75.5992, 84.1326,
165.0475

18.7086, 21.5145,
56.5670

98.7253, 109.3498,
205.0641

11.5627, 13.5006,
40.2506

126.1435,
139.1607, 251.0764

6.5167, 7.7742,
27.4187

158.2192,
173.9499, 303.5030

3.2054, 3.9508,
17.6527

195.3177,
214.1016, 362.7623

1.2633, 1.6461,
10.5341

237.8044,

0.1555, 0.3884,

260.0004, 429.2729

5.6443

286.0446,
312.0306, 503.4533

■ 0.0000, 0.0000,
2.5648

■ 0.0000, 0.0000,
0.8742

■ 40.7618, 45.9423,
101.3271

■ 40.7618, 45.9423,
101.3271

■ 36.4425, 40.5167,
100.5075

■ 46.1042, 52.1345,
102.2408

■ 33.0493, 35.8005,
99.7760

■ 52.5457, 59.1351,
103.2525

■ 30.4712, 31.7321,
99.1267

■ 60.1595, 66.9870,
104.3668

■ 29.1341, 29.3882,
98.7447

■ 69.0107, 75.7285,
105.5876

■ 79.1595, 85.3951,
106.9185

■ 90.6619, 96.0197,
108.3630

■ 95.0500, 100.0000,
108.9000

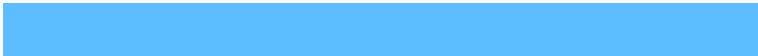
Harmonies

Analogous

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



34.8185, 45.9423, 86.7380



40.7618, 45.9423, 101.3271



48.1911, 45.9423, 99.6114

Triad

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



40.7618, 45.9423, 101.3271



58.6350, 45.9423, 38.5072



33.9418, 45.9423, 27.4047

Complementary

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



40.7618, 45.9423, 101.3271



55.6156, 46.8492, 16.4697

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.



39.4349, 45.9423, 20.4280



40.7618, 45.9423, 101.3271



53.8999, 45.9423, 25.4801

Square

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



40.7618, 45.9423, 101.3271



59.0942, 45.9423, 59.0265



46.7066, 45.9423, 19.8404



31.1892, 45.9423, 41.9857

Rectangle

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



40.7618, 45.9423, 101.3271



53.0006, 45.9423, 89.4925



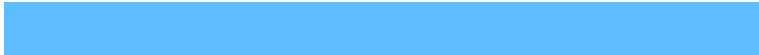
46.7066, 45.9423, 19.8404



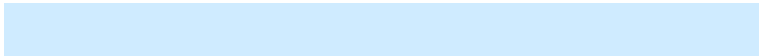
35.4987, 45.9423, 24.2944

Sweetspot

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



40.7633, 45.9438, 101.3273



73.4396, 79.9867, 106.1760



46.4300, 76.3096, 44.5422



15.1133, 16.5397, 22.6459



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.



40.7633, 45.9438, 101.3273



35.5205, 39.2858, 100.3185



28.0561, 20.5295, 97.0916



17.8979, 19.1675, 23.0063



15.3737, 15.6570, 51.6464



1.6043, 1.7393, 5.0644

Inverse Universe

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



54.3407, 32.7646, 51.6056



50.7601, 27.7552, 43.7783



74.0245, 83.6670, 22.6060



18.4611, 18.1678, 21.0455



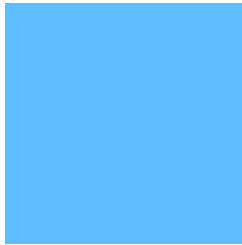
24.5481, 12.3085, 16.8028



2.4444, 1.2201, 1.9216

Previews

White Background



This preview shows how the XYZ color 40.7618, 45.9423, 101.3271 looks on a white background.

Color Contrast Check

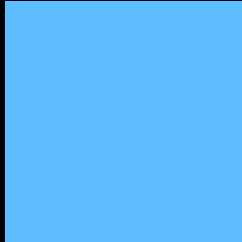
Large Text (above 18pt) WCAG AA × Fail

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 40.7618, 45.9423, 101.3271 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

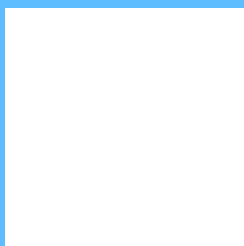
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7618, 45.9423, 101.3271

Background



This preview shows how black text looks on a background with the XYZ color 40.7618, 45.9423, 101.3271.



This preview shows how white text looks on a background with the XYZ color 40.7618, 45.9423,

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

40.7618, 45.9423, 101.3271

Protanopia

46.6548, 45.4690, 93.5062

Deuteranopia

46.7329, 45.6401, 100.9541



Tritanopia

34.5750, 46.0762, 70.0221

Trichromacy



Original Color

40.7618, 45.9423, 101.3271

Protanomaly

43.6144, 45.0382, 96.0170

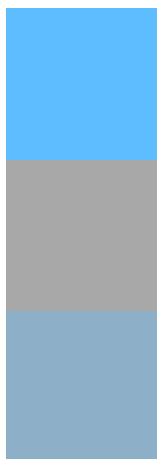
Deuteranomaly

43.9839, 45.4217, 101.0568

Tritanomaly

36.5198, 45.8473, 80.3234

Monochromacy



Original Color

40.7618, 45.9423, 101.3271

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.9352, 40.8835, 60.5882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7618, 45.9423, 101.3271 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(93, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(93, 189, 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(93, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 189, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.7618, 45.9423, 101.3271 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(93, 189, 255) }
```


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

```
.border{ border-color:rgb(93, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(93, 189,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7618, 45.9423, 101.3271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 189, 255) }
```

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

```
.background{ background-color: rgb(93, 189,  
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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