

Converting Colors

XYZ(40.1552, 43.2962,
100.8483)

Have a look what the booklet for
XYZ(40.1552, 43.2962, 100.8483)
contains.

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Color

**XYZ(40.2574, 43.5007,
100.8824)**

Conversions

Conversions Part 1

Format	Color
Hex	66B6FF
RGB	102, 182, 255
RGB Percent	40%, 71%, 100%
CMY	0.6000, 0.2863, 0.0000
CMYK	0.60, 0.29, 0.00, 0.00
HSL	209°, 100%, 70%
HSV	209°, 60%, 100%
XYZ	40.2574, 43.5007, 100.8824
YIQ	166.4020, -71.1130, 5.7430

Conversions

Conversions Part 2

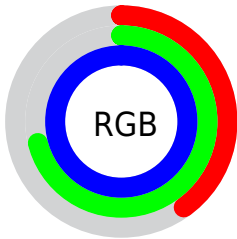
Format	Color
RYB	102, 155, 255
Decimal	6731519
CIELab	71.89, -3.35, -43.44
CIELCh	72, 43.565, 265.583
Yxy	43.5007, 0.2180, 0.2356
Android (android.graphics.Color)	4284921599 (0xFF66B6FF)
YUV	166.4020, 43.6788, -56.4806
Hunter-Lab	65.9551, -6.4692, -44.5192

Details

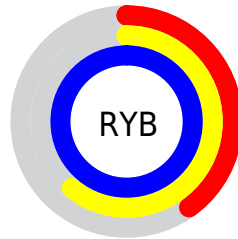
The XYZ color **40.2574, 43.5007, 100.8824** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.9696, 52.8813, 19.6714**, and the grayscale version is **36.2613, 38.1498, 41.5451**.

A 20% lighter version of the original color is **63.7288, 76.1556, 105.9484**, and **18.3742, 19.9483, 56.3081** is the 20% darker color. If you saturate the color by 10%, you get **35.4149, 37.4653, 99.9727**, and if you desaturate by 10%, it is **46.2077, 50.4301, 101.9063**.

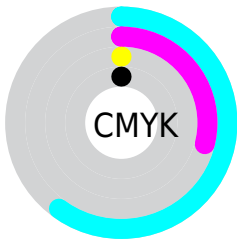
Distribution



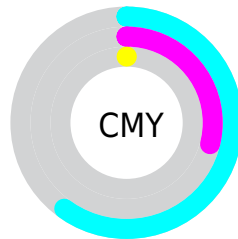
- Red (40%)
- Green (71%)
- Blue (100%)



- Red (40%)
- Yellow (61%)
- Blue (100%)



- Cyan (60%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2574, 43.5007, 100.8824 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 40.2574, 43.5007, 100.8824 by changing the saturation by 10% instead.

■ 40.2574, 43.5007,
100.8824

■ 40.2574, 43.5007,
100.8824

338.3231,
360.6669, 584.2889

■ 27.9244, 30.2782,
76.4167

■ 74.8372, 80.4659,
164.4317

■ 18.4088, 20.0498,
56.2656

■ 97.8146, 104.9773,
204.3524

■ 11.3454, 12.4313,
40.0104

■ 125.0710,
134.0206, 250.2618

■ 6.3686, 7.0381,
27.2328

156.9715,
167.9799, 302.5785

■ 3.1133, 3.4859,
17.5142

193.8817,
207.2398, 361.7210

■ 1.2140, 1.3904,
10.4360

236.1668,

■ 0.1173, 0.2096,

252.1847, 428.1079

5.5796

284.1921,
303.1989, 502.1577

■ 0.0000, 0.0000,
2.5266

■ 0.0000, 0.0000,
0.8542

■ 40.2574, 43.5007,
100.8824

■ 40.2574, 43.5007,
100.8824

■ 35.4149, 37.4653,
99.9727

■ 46.2077, 50.4301,
101.9063

■ 31.5861, 32.2649,
99.1707

■ 53.3406, 58.2977,
103.0490

■ 28.6658, 27.8378,
98.4701

■ 61.7288, 67.1492,
104.3154

■ 26.4836, 24.0870,
97.8612

■ 71.4375, 77.0256,
105.7100

■ 26.4830, 24.0860,
97.8610

■ 82.5270, 87.9651,
107.2371

95.0500, 100.0000,
108.9000

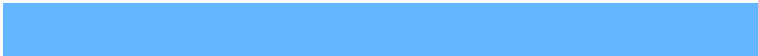
Harmonies

Analogous

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



33.7969, 43.5007, 89.6875



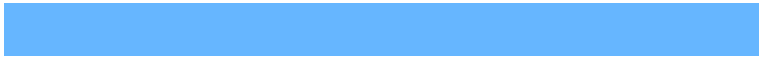
40.2574, 43.5007, 100.8824



47.8163, 43.5007, 94.5889

Triad

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



40.2574, 43.5007, 100.8824



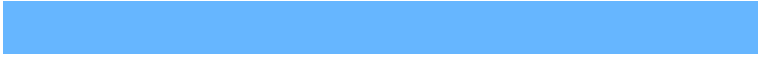
55.5917, 43.5007, 31.8242



30.6604, 43.5007, 27.8248

Complementary

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



40.2574, 43.5007, 100.8824



58.9696, 52.8813, 19.6714

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.



35.4876, 43.5007, 19.2482



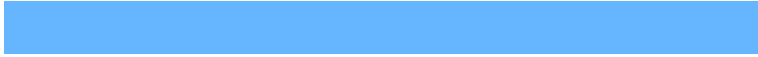
40.2574, 43.5007, 100.8824



49.9433, 43.5007, 21.0262

Square

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



40.2574, 43.5007, 100.8824



57.2600, 43.5007, 50.5808



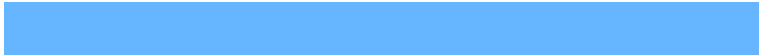
42.4543, 43.5007, 17.1951



28.6931, 43.5007, 44.2882

Rectangle

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



40.2574, 43.5007, 100.8824



52.3938, 43.5007, 82.0923



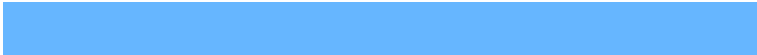
42.4543, 43.5007, 17.1951



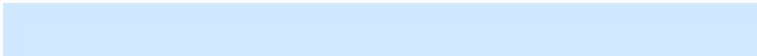
31.9720, 43.5007, 24.1418

Sweetspot

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



40.2588, 43.5022, 100.8826



73.5399, 79.1242, 106.0043



48.8223, 77.3780, 52.1027



15.0888, 16.2844, 22.5979



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.



40.2588, 43.5022, 100.8826



34.5699, 36.3585, 99.8036



28.7992, 20.5830, 97.0628



17.7889, 18.9495, 22.9700



13.9886, 12.8867, 51.1847



1.4715, 1.4736, 5.0202

Inverse Universe

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



54.4359, 34.1417, 47.9783



50.5307, 28.6223, 39.6142



77.7933, 90.5287, 25.9460



18.4061, 18.1458, 20.7558



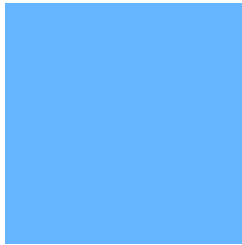
23.8490, 12.0289, 13.1211



2.3773, 1.1933, 1.5684

Previews

White Background



This preview shows how the XYZ color 40.2574, 43.5007, 100.8824 looks on a white background.

Color Contrast Check

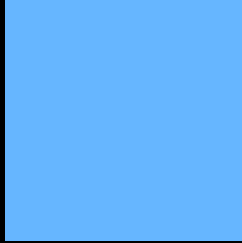
Large Text (above 18pt) WCAG AA × Fail

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 40.2574, 43.5007, 100.8824 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

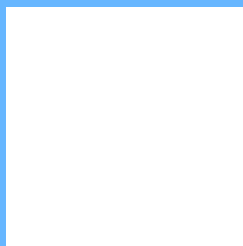
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2574, 43.5007, 100.8824

Background



This preview shows how black text looks on a background with the XYZ color 40.2574, 43.5007, 100.8824.



This preview shows how white text looks on a background with the XYZ color 40.2574, 43.5007,

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

40.2574, 43.5007, 100.8824

Protanopia

44.6810, 43.2779, 93.9942

Deuteranopia

44.3414, 43.2429, 100.6174



Tritanopia

33.2016, 43.4721, 65.6725

Trichromacy



Original Color

40.2574, 43.5007, 100.8824

Protanomaly

42.6122, 43.0211, 96.5005

Deuteranomaly

42.5245, 43.1763, 100.7003

Tritanomaly

35.4623, 43.4230, 77.0334

Monochromacy



Original Color

40.2574, 43.5007, 100.8824

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.2733, 39.4219, 59.1235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2574, 43.5007, 100.8824 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, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 182, 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, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 182, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.2574, 43.5007, 100.8824 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, 182, 255) }
```


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

```
.border{ border-color:rgb(102, 182, 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, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 182,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2574, 43.5007, 100.8824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 182, 255) }
```

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

```
.background{ background-color: rgb(102,  
182, 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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