

Converting Colors

XYZ(40.2050, 43.8925, 81.9544)

Have a look what the booklet for
XYZ(40.2050, 43.8925, 81.9544)
contains.

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Color

**XYZ(40.2050, 43.8925,
81.9544)**

Conversions

Conversions Part 1

Format	Color
Hex	81B6E7
RGB	129, 182, 231
RGB Percent	51%, 71%, 91%
CMY	0.4941, 0.2863, 0.0941
CMYK	0.44, 0.21, 0.00, 0.09
HSL	209°, 68%, 71%
HSV	209°, 44%, 91%
XYZ	40.2050, 43.8925, 81.9544
YIQ	171.7390, -47.3170, 4.0030

Conversions

Conversions Part 2

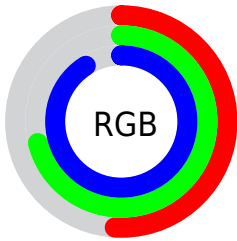
Format	Color
RYB	129, 164, 231
Decimal	8500967
CIELab	72.16, -4.65, -29.93
CIELCh	72, 30.294, 261.167
Yxy	43.8925, 0.2421, 0.2643
Android (android.graphics.Color)	4286691047 (0xFF81B6E7)
YUV	171.7390, 29.2157, -37.4821
Hunter-Lab	66.2514, -7.6164, -26.9670

Details

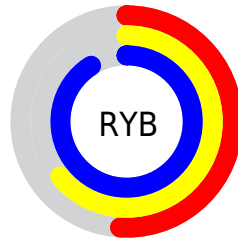
The XYZ color **40.2050, 43.8925, 81.9544** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.8391, 50.4161, 27.7168**, and the grayscale version is **38.9563, 40.9850, 44.6327**.

A 20% lighter version of the original color is **68.8742, 78.8082, 106.1892**, and **18.3358, 20.2121, 43.4924** is the 20% darker color. If you saturate the color by 10%, you get **34.9016, 37.9182, 81.0816**, and if you desaturate by 10%, it is **46.4845, 50.6392, 82.9265**.

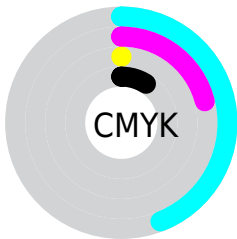
Distribution



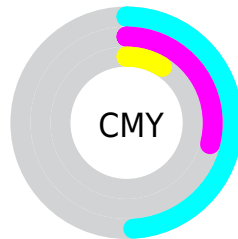
- Red (51%)
- Green (71%)
- Blue (91%)



- Red (51%)
- Yellow (64%)
- Blue (91%)



- Cyan (44%)
- Magenta (21%)
- Yellow (0%)
- Black (9%)



- Cyan (49%)
- Magenta (29%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2050, 43.8925, 81.9544 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 40.2050, 43.8925, 81.9544 by changing the saturation by 10% instead.

■ 40.2050, 43.8925,
81.9544

■ 40.2050, 43.8925,
81.9544

338.1065,
362.2694, 521.3746

■ 27.8833, 30.5860,
60.7924

■ 74.7579, 81.0560,
137.9462

■ 18.3777, 20.2838,
43.6281

■ 97.7199, 105.6817,
173.6130

■ 11.3229, 12.6015,
30.0432

■ 124.9594,
134.8493, 214.9517

■ 6.3533, 7.1547,
19.6191

156.8417,
168.9432, 262.3811

■ 3.1038, 3.5591,
11.9371

193.7322,
208.3478, 316.3195

■ 1.2089, 1.4301,
6.5789

235.9963,

■ 0.1134, 0.2387,

253.4474, 377.1855

3.1257

283.9992,
304.6265, 445.3977

■ 0.0000, 0.0000,
1.1592

■ 0.0000, 0.0000,
0.0000

■ 40.2050, 43.8925,
81.9544

■ 40.2050, 43.8925,
81.9544

■ 34.9016, 37.9182,
81.0816

■ 46.4845, 50.6392,
82.9265

■ 30.5117, 32.6750,
80.3009

■ 53.7889, 58.1867,
83.9983

■ 26.9715, 28.1248,
79.6092

■ 62.1685, 66.5677,
85.1743

■ 24.2061, 24.2222,
79.0017

■ 71.6691, 75.8111,
86.4578

■ 22.1247, 20.9134,
78.4727

■ 82.3335, 85.9447,
87.8517

■ 21.1441, 19.2098,
78.1956

■ 89.4116, 94.5249,
89.1348

■ 91.4240, 98.5496,
89.8055

Harmonies

Analogous

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



35.7694, 43.8925, 73.6860



40.2050, 43.8925, 81.9544



45.4260, 43.8925, 79.6989

Triad

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



40.2050, 43.8925, 81.9544



51.7320, 43.8925, 38.1980



34.4187, 43.8925, 32.0190

Complementary

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



40.2050, 43.8925, 81.9544



52.8391, 50.4161, 27.7168

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.



38.2184, 43.8925, 25.7896



40.2050, 43.8925, 81.9544



48.2931, 43.8925, 28.8088

Square

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



40.2050, 43.8925, 81.9544



52.3751, 43.8925, 52.3152



43.2695, 43.8925, 24.7507



32.6153, 43.8925, 43.5363

Rectangle

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



40.2050, 43.8925, 81.9544



48.6371, 43.8925, 72.6922



43.2695, 43.8925, 24.7507



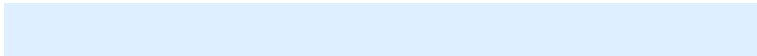
35.4892, 43.8925, 29.3459

Sweetspot

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



40.2065, 43.8942, 81.9554



79.0167, 84.5029, 106.7538



45.5265, 64.9785, 51.5304



16.3820, 17.5637, 22.7767



0.0000, 0.0000, 0.0000



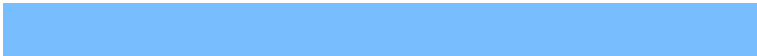
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.2065, 43.8942, 81.9554



44.2047, 48.0618, 101.5548



31.7841, 27.0495, 79.1480



14.1993, 15.1199, 18.3144



11.9786, 11.0194, 43.8788



0.9781, 1.0002, 3.2735

Inverse Universe

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



49.2500, 36.0684, 48.6237



57.2409, 38.3779, 53.1490



64.5519, 73.8419, 31.6211



14.6882, 14.4925, 16.5583



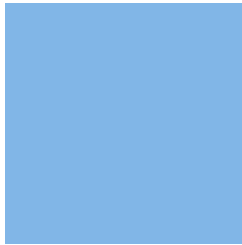
20.4398, 10.3101, 11.2108



1.5573, 0.7806, 1.0754

Previews

White Background



This preview shows how the XYZ color 40.2050, 43.8925, 81.9544 looks on a white background.

Color Contrast Check

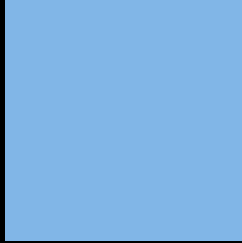
Large Text (above 18pt) WCAG AA × Fail

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 40.2050, 43.8925, 81.9544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

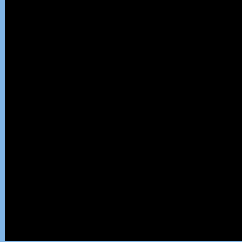
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2050, 43.8925, 81.9544

Background



This preview shows how black text looks on a background with the XYZ color 40.2050, 43.8925, 81.9544.



This preview shows how white text looks on a background with the XYZ color 40.2050, 43.8925,

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

40.2050, 43.8925, 81.9544

Protanopia

43.8309, 43.4949, 77.3194

Deuteranopia

44.5518, 43.4517, 83.1297



Tritanopia

36.3162, 43.8699, 62.4308

Trichromacy



Original Color

40.2050, 43.8925, 81.9544

Protanomaly

42.3498, 43.5696, 78.8508

Deuteranomaly

42.6685, 43.3609, 82.4645

Tritanomaly

37.6714, 43.7871, 69.4171

Monochromacy



Original Color

40.2050, 43.8925, 81.9544

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.8613, 41.9688, 56.5047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2050, 43.8925, 81.9544 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(129, 182, 231)` looks like.

```
.text, #text, p{  
    color:rgb(129, 182, 231)  
}
```

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(129, 182, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 182, 231) }
```

Border

The CSS property to change the border of an element to XYZ 40.2050, 43.8925, 81.9544 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(129, 182, 231) }
```


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

```
.border{ border-color:rgb(129, 182, 231) }
```

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

Here you see how a box with a 4 pixel rgb(129, 182, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 182, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 182, 231);  
box-shadow:4px 4px 4px 4px rgb(129, 182,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2050, 43.8925, 81.9544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 182, 231) }
```

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

```
.background{ background-color: rgb(129,  
182, 231) }
```

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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