

Converting Colors

XYZ(40.7318, 45.6160, 81.8824)

Have a look what the booklet for
XYZ(40.7318, 45.6160, 81.8824)
contains.

XYZ(40.8056, 45.7658, 81.5459)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.8056, 45.7658,
81.5459)**

Conversions

Conversions Part 1

Format	Color
Hex	7FBBE6
RGB	127, 187, 230
RGB Percent	50%, 73%, 90%
CMY	0.5019, 0.2667, 0.0980
CMYK	0.45, 0.19, 0.00, 0.10
HSL	205°, 67%, 70%
HSV	205°, 45%, 90%
XYZ	40.8056, 45.7658, 81.5459
YIQ	173.9620, -49.5630, 0.6530

Conversions

Conversions Part 2

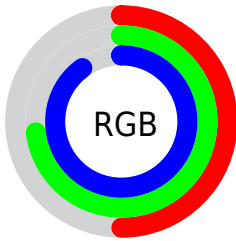
Format	Color
RYB	127, 165, 230
Decimal	8371174
CIELab	73.39, -8.12, -27.50
CIELCh	73, 28.674, 253.544
Yxy	45.7658, 0.2427, 0.2722
Android (android.graphics.Color)	4286561254 (0xFF7FBBE6)
YUV	173.9620, 27.6267, -41.1857
Hunter-Lab	67.6504, -10.7200, -24.1129

Details

The XYZ color **40.8056, 45.7658, 81.5459** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.8397, 47.1060, 26.4930**, and the grayscale version is **40.0947, 42.1828, 45.9370**.

A 20% lighter version of the original color is **69.8678, 81.5115, 106.6586**, and **18.6909, 21.4083, 43.1915** is the 20% darker color. If you saturate the color by 10%, you get **35.7940, 40.2595, 80.7481**, and if you desaturate by 10%, it is **46.7382, 51.9510, 82.4279**.

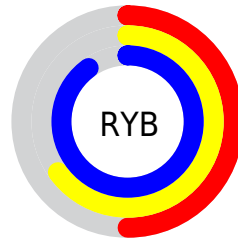
Distribution



Red (50%)

Green (73%)

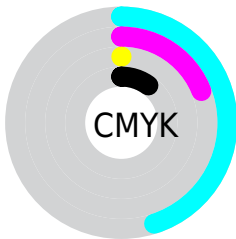
Blue (90%)



Red (50%)

Yellow (65%)

Blue (90%)

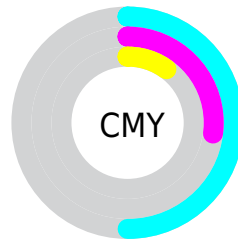


Cyan (45%)

Magenta (19%)

Yellow (0%)

Black (10%)



Cyan (50%)

Magenta (27%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8056, 45.7658, 81.5459 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 40.8056, 45.7658, 81.5459 by changing the saturation by 10% instead.

■ 40.8056, 45.7658,
81.5459

■ 40.8056, 45.7658,
81.5459

340.5839,
369.8663, 519.9710

■ 28.3542, 32.0610,
60.4577

■ 75.6653, 83.8684,
137.3680

■ 18.7347, 21.4081,
43.3599

■ 98.8043, 109.0350,
172.9389

■ 11.5816, 13.4227,
29.8341

■ 126.2365,
138.7911, 214.1745

■ 6.5296, 7.7202,
19.4617

158.3274,
173.5209, 261.4932

■ 3.2134, 3.9165,
11.8242

195.4422,
213.6090, 315.3137

■ 1.2676, 1.6269,
6.5030

237.9463,

■ 0.1588, 0.3757,

259.4396, 376.0545

3.0796

286.2051,
311.3973, 444.1341

■ 0.0000, 0.0000,
1.1354

■ 0.0000, 0.0000,
0.0000

■ 40.8056, 45.7658,
81.5459

■ 40.8056, 45.7658,
81.5459

■ 35.7940, 40.2595,
80.7481

■ 46.7382, 51.9510,
82.4279

■ 31.6424, 35.3940,
80.0277

■ 53.6388, 58.8402,
83.3940

■ 28.2888, 31.1340,
79.3822

■ 61.5561, 66.4634,
84.4481

■ 25.6599, 27.4378,
78.8073

■ 70.5343, 74.8467,
85.5930

■ 23.6665, 24.2548,
78.2980

■ 80.6146, 84.0151,
86.8314

■ 22.8058, 22.7586,
78.0546

■ 88.0589, 92.0449,
87.9890

■ 91.0335, 97.9941,
88.9805

■ 91.2831, 98.4932,
89.0637

Harmonies

Analogous

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



36.8328, 45.7658, 71.5516



40.8056, 45.7658, 81.5459



45.8131, 45.7658, 82.0550

Triad

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



40.8056, 45.7658, 81.5459



53.6396, 45.7658, 43.5976



37.1460, 45.7658, 32.2680

Complementary

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



40.8056, 45.7658, 81.5459



50.8397, 47.1060, 26.4930

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.



41.2642, 45.7658, 27.3882



40.8056, 45.7658, 81.5459



50.9247, 45.7658, 33.0220

Square

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



40.8056, 45.7658, 81.5459



53.4929, 45.7658, 58.1324



46.3084, 45.7658, 27.6344



34.8345, 45.7658, 42.3604

Rectangle

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



40.8056, 45.7658, 81.5459



49.0888, 45.7658, 76.7916



46.3084, 45.7658, 27.6344



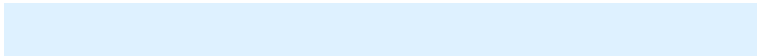
38.3505, 45.7658, 30.0594

Sweetspot

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



40.8071, 45.7675, 81.5470



79.6312, 85.7318, 106.9586



44.2983, 64.0059, 48.0100



16.5338, 17.8671, 22.8272



0.0000, 0.0000, 0.0000



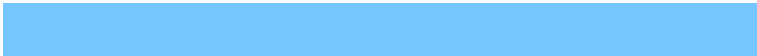
20.3446, 21.4041, 23.3091

Same Dimension

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



40.8071, 45.7675, 81.5470



45.5097, 51.1892, 102.0896



31.7823, 27.7179, 78.5387



14.2768, 15.2750, 18.3402



13.0346, 13.1314, 44.2308



1.0545, 1.1529, 3.2989

Inverse Universe

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



49.1934, 35.5910, 51.2924



57.7734, 38.1074, 57.4433



62.4315, 70.2895, 30.3569



14.7273, 14.5081, 16.7644



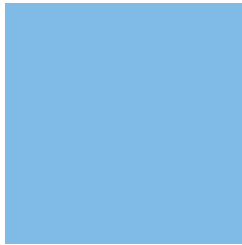
20.9728, 10.5233, 14.0176



1.5959, 0.7961, 1.2784

Previews

White Background



This preview shows how the XYZ color 40.8056, 45.7658, 81.5459 looks on a white background.

Color Contrast Check

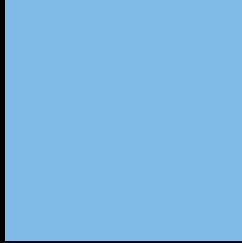
Large Text (above 18pt) WCAG AA × Fail

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 40.8056, 45.7658, 81.5459 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 40.8056, 45.7658, 81.5459

Background



This preview shows how black text looks on a background with the XYZ color 40.8056, 45.7658, 81.5459.



This preview shows how white text looks on a background with the XYZ color 40.8056, 45.7658,

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

40.8056, 45.7658, 81.5459

Protanopia

45.6019, 45.6035, 76.2109

Deuteranopia

46.4530, 45.3119, 82.6417



Tritanopia

37.6390, 45.7597, 65.8802

Trichromacy



Original Color

40.8056, 45.7658, 81.5459

Protanomaly

43.5778, 45.4088, 78.4195

Deuteranomaly

44.0715, 45.2821, 82.0188

Tritanomaly

38.8476, 45.9442, 71.1106

Monochromacy



Original Color

40.8056, 45.7658, 81.5459

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.7623, 43.3033, 57.3016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8056, 45.7658, 81.5459 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(127, 187, 230)` looks like.

```
.text, #text, p{  
    color:rgb(127, 187, 230)  
}
```

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(127, 187, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 187, 230) }
```

Border

The CSS property to change the border of an element to XYZ 40.8056, 45.7658, 81.5459 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(127, 187, 230) }
```


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

```
.border{ border-color:rgb(127, 187, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 187, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 187, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 187, 230);  
box-shadow:4px 4px 4px 4px rgb(127, 187,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8056, 45.7658, 81.5459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 187, 230) }
```

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

```
.background{ background-color: rgb(127,  
187, 230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor