

Converting Colors

XYZ(40.9587, 47.8063, 80.4676)

Have a look what the booklet for
XYZ(40.9587, 47.8063, 80.4676)
contains.

XYZ(40.9587, 47.8063, 80.4676)	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(40.9587, 47.8063,
80.4676)**

Conversions

Conversions Part 1

Format	Color
Hex	79C1E4
RGB	121, 193, 228
RGB Percent	47%, 76%, 89%
CMY	0.5255, 0.2431, 0.1059
CMYK	0.47, 0.15, 0.00, 0.11
HSL	200°, 66%, 68%
HSV	200°, 47%, 89%
XYZ	40.9587, 47.8063, 80.4676
YIQ	175.4620, -54.1470, -4.3790

Conversions

Conversions Part 2

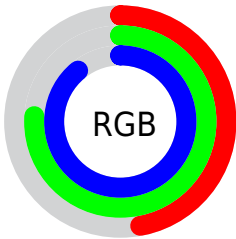
Format	Color
RYB	121, 164, 228
Decimal	7979492
CIELab	74.70, -13.30, -24.44
CIELCh	75, 27.820, 241.452
Yxy	47.8063, 0.2420, 0.2825
Android (android.graphics.Color)	4286169572 (0xFF79C1E4)
YUV	175.4620, 25.9012, -47.7632
Hunter-Lab	69.1421, -15.2581, -20.6023

Details

The XYZ color **40.9587, 47.8063, 80.4676** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.3357, 41.6527, 23.6356**, and the grayscale version is **40.8783, 43.0071, 46.8347**.

A 20% lighter version of the original color is **70.2858, 84.4363, 107.2011**, and **18.7289, 22.5006, 42.3856** is the 20% darker color. If you saturate the color by 10%, you get **36.5261, 43.1361, 79.8007**, and if you desaturate by 10%, it is **46.2325, 53.0356, 81.1999**.

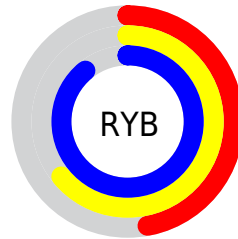
Distribution



Red (47%)

Green (76%)

Blue (89%)



Red (47%)

Yellow (64%)

Blue (89%)

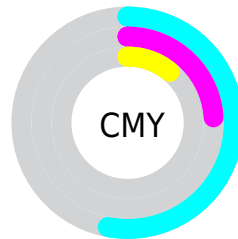


Cyan (47%)

Magenta (15%)

Yellow (0%)

Black (11%)



Cyan (53%)

Magenta (24%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9587, 47.8063, 80.4676 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 40.9587, 47.8063, 80.4676 by changing the saturation by 10% instead.

■ 40.9587, 47.8063,
80.4676

■ 40.9587, 47.8063,
80.4676

341.2135,
378.0238, 516.2555

■ 28.4743, 33.6735,
59.5748

■ 75.8963, 86.9159,
135.8403

■ 18.8258, 22.6429,
42.6529

■ 99.0802, 112.6616,
171.1572

■ 11.6477, 14.3301,
29.2835

■ 126.5614,
143.0470, 212.1193

■ 6.5748, 8.3506,
19.0480

158.7052,
178.4565, 259.1451

■ 3.2416, 4.3201,
11.5278

195.8770,
219.2745, 312.6530

■ 1.2828, 1.8542,
6.3044

238.4420,

■ 0.1703, 0.5206,

265.8855, 373.0617

2.9593

286.7658,
318.6738, 440.7897

■ 0.0000, 0.0000,
1.0739

■ 0.0000, 0.0000,
0.0000

■ 40.9587, 47.8063,
80.4676

■ 40.9587, 47.8063,
80.4676

■ 36.5261, 43.1361,
79.8007

■ 46.2325, 53.0356,
81.1999

■ 32.8750, 38.9893,
79.1927

■ 52.3929, 58.8462,
81.9967

■ 29.9443, 35.3338,
78.6416

■ 59.4871, 65.2651,
82.8618

■ 27.6612, 32.1300,
78.1435

■ 67.5578, 72.3160,
83.7974

■ 25.9320, 29.3278,
77.6937

■ 76.6447, 80.0210,
84.8057

■ 25.4644, 28.5227,
77.5630

■ 85.7456, 87.8651,
85.8401

■ 87.9591, 92.2922,
86.5779

■ 90.2636, 96.9012,
87.3461

■ 91.0038, 98.3815,
87.5928

Harmonies

Analogous

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



37.6557, 47.8063, 67.9354



40.9587, 47.8063, 80.4676



45.6847, 47.8063, 85.0559

Triad

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



40.9587, 47.8063, 80.4676



55.8416, 47.8063, 51.3522



40.5627, 47.8063, 31.7688

Complementary

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



40.9587, 47.8063, 80.4676



47.3357, 41.6527, 23.6356

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.



45.1931, 47.8063, 28.9277



40.9587, 47.8063, 80.4676



54.2258, 47.8063, 38.8615

Square

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



40.9587, 47.8063, 80.4676



54.5029, 47.8063, 66.4896



50.2335, 47.8063, 31.2650



37.4393, 47.8063, 39.8736

Rectangle

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



40.9587, 47.8063, 80.4676



49.0791, 47.8063, 82.4260



50.2335, 47.8063, 31.2650



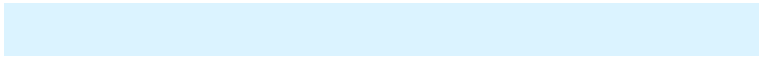
41.9824, 47.8063, 30.2419

Sweetspot

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



40.9602, 47.8081, 80.4687



79.5010, 86.6211, 107.1371



41.5365, 61.9155, 40.7223



16.5524, 18.1307, 22.8771



0.0000, 0.0000, 0.0000



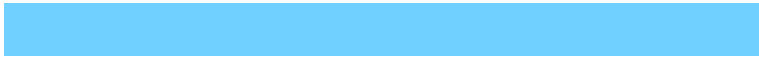
20.3446, 21.4041, 23.3091

Same Dimension

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



40.9602, 47.8081, 80.4687



47.3844, 55.9315, 102.9062



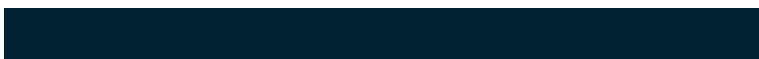
31.3586, 28.6049, 77.2682



14.3893, 15.5000, 18.3777



14.8163, 16.6947, 44.8247



1.1787, 1.4013, 3.3403

Inverse Universe

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



48.4592, 34.0205, 54.4664



58.4772, 37.4609, 64.0108



58.0967, 63.1746, 27.2226



14.7841, 14.5308, 17.0635



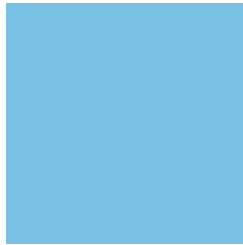
21.8721, 10.8831, 18.7533



1.6586, 0.8211, 1.6086

Previews

White Background



This preview shows how the XYZ color 40.9587, 47.8063, 80.4676 looks on a white background.

Color Contrast Check

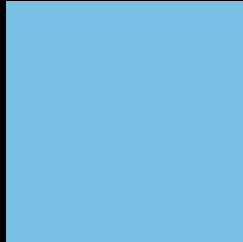
Large Text (above 18pt) WCAG AA × Fail

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 40.9587, 47.8063, 80.4676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

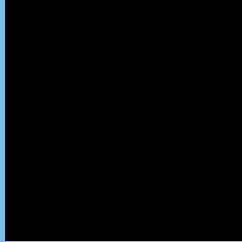
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9587, 47.8063, 80.4676

Background



This preview shows how black text looks on a background with the XYZ color 40.9587, 47.8063, 80.4676.



This preview shows how white text looks on a background with the XYZ color 40.9587, 47.8063,

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

40.9587, 47.8063, 80.4676

Protanopia

47.1213, 47.3290, 74.3620

Deuteranopia

48.4484, 47.2398, 82.1660



Tritanopia

38.8261, 47.9463, 69.4956

Trichromacy



Original Color

40.9587, 47.8063, 80.4676

Protanomaly

44.1858, 46.9942, 76.5540

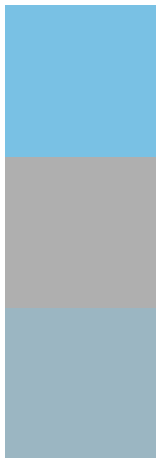
Deuteranomaly

45.1337, 47.0621, 81.5680

Tritanomaly

39.6412, 47.9437, 73.4944

Monochromacy



Original Color

40.9587, 47.8063, 80.4676

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.9831, 44.3195, 57.4861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9587, 47.8063, 80.4676 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(121, 193, 228)` looks like.

```
.text, #text, p{  
    color:rgb(121, 193, 228)  
}
```

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(121, 193, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 193, 228) }
```

Border

The CSS property to change the border of an element to XYZ 40.9587, 47.8063, 80.4676 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(121, 193, 228) }
```


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

```
.border{ border-color:rgb(121, 193, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 193, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 193, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 193, 228);  
box-shadow:4px 4px 4px 4px rgb(121, 193,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9587, 47.8063, 80.4676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 193, 228) }
```

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

```
.background{ background-color: rgb(121,  
193, 228) }
```

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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