

Converting Colors

XYZ(41.0145, 45.9262, 80.2876)

Have a look what the booklet for
XYZ(41.0145, 45.9262, 80.2876)
contains.

XYZ(40.9798, 45.8879, 80.0962)	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(40.9798, 45.8879,
80.0962)**

Conversions

Conversions Part 1

Format	Color
Hex	82BBE4
RGB	130, 187, 228
RGB Percent	51%, 73%, 89%
CMY	0.4902, 0.2667, 0.1059
CMYK	0.43, 0.18, 0.00, 0.11
HSL	205°, 64%, 70%
HSV	205°, 43%, 89%
XYZ	40.9798, 45.8879, 80.0962
YIQ	174.6310, -47.1330, 0.6670

Conversions

Conversions Part 2

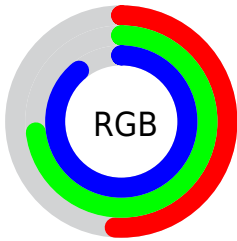
Format	Color
RYB	130, 166, 228
Decimal	8567780
CIELab	73.47, -7.93, -26.28
CIELCh	73, 27.450, 253.210
Yxy	45.8879, 0.2454, 0.2748
Android (android.graphics.Color)	4286757860 (0xFF82BBE4)
YUV	174.6310, 26.3109, -39.1414
Hunter-Lab	67.7406, -10.5622, -22.6858

Details

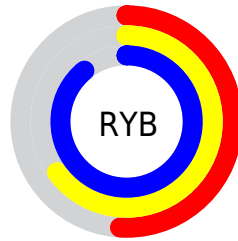
The XYZ color **40.9798, 45.8879, 80.0962** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.5881, 47.2326, 27.5710**, and the grayscale version is **40.4441, 42.5504, 46.3373**.

A 20% lighter version of the original color is **70.3503, 81.7603, 106.6812**, and **18.7955, 21.4846, 42.1860** is the 20% darker color. If you saturate the color by 10%, you get **35.9058, 40.3681, 79.2990**, and if you desaturate by 10%, it is **46.9661, 52.0795, 80.9766**.

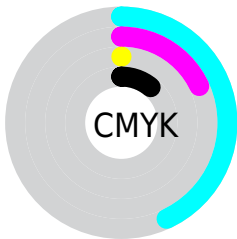
Distribution



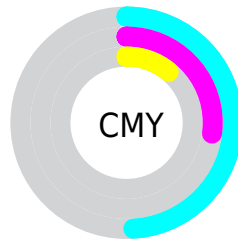
- Red (51%)
- Green (73%)
- Blue (89%)



- Red (51%)
- Yellow (65%)
- Blue (89%)



- Cyan (43%)
- Magenta (18%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9798, 45.8879, 80.0962 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 40.9798, 45.8879, 80.0962 by changing the saturation by 10% instead.

■ 40.9798, 45.8879,
80.0962

■ 40.9798, 45.8879,
80.0962

341.3002,
370.3578, 514.9723

■ 28.4909, 32.1574,
59.2709

■ 75.9281, 84.0512,
135.3136

■ 18.8384, 21.4817,
42.4098

■ 99.1183, 109.2528,
170.5428

■ 11.6569, 13.4766,
29.0943

■ 126.6062,
139.0468, 211.4103

■ 6.5810, 7.7575,
18.9060

158.7573,
173.8177, 258.3347

■ 3.2455, 3.9402,
11.4262

195.9369,
213.9498, 311.7346

■ 1.2849, 1.6402,
6.2365

238.5103,

■ 0.1718, 0.3845,

259.8277, 372.0285

2.9183

286.8430,
311.8355, 439.6348

■ 0.0000, 0.0000,
1.0531

■ 0.0000, 0.0000,
0.0000

■ 40.9798, 45.8879,
80.0962

■ 40.9798, 45.8879,
80.0962

■ 35.9058, 40.3681,
79.2990

■ 46.9661, 52.0795,
80.9766

■ 31.6851, 35.4829,
78.5785

■ 53.9096, 58.9669,
81.9401

■ 28.2586, 31.1989,
77.9322

■ 61.8576, 66.5791,
82.9904

■ 25.5565, 27.4760,
77.3561

■ 70.8527, 74.9415,
84.1305

■ 23.4951, 24.2668,
76.8453

■ 80.9351, 84.0784,
85.3627

■ 22.3386, 22.2713,
76.5211

■ 87.6652, 91.7044,
86.4799

■ 90.6138, 97.6015,
87.4628

■ 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.



37.1733, 45.8879, 70.5410



40.9798, 45.8879, 80.0962



45.7781, 45.8879, 80.6883

Triad

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



40.9798, 45.8879, 80.0962



53.3245, 45.8879, 44.1134



37.5443, 45.8879, 32.9365

Complementary

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



40.9798, 45.8879, 80.0962



50.5881, 47.2326, 27.5710

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.



41.5212, 45.8879, 28.2363



40.9798, 45.8879, 80.0962



50.7611, 45.8879, 33.8369

Square

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



40.9798, 45.8879, 80.0962



53.1525, 45.8879, 58.0715



46.3610, 45.8879, 28.5321



35.2927, 45.8879, 42.6488

Rectangle

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



40.9798, 45.8879, 80.0962



48.9174, 45.8879, 75.7669



46.3610, 45.8879, 28.5321



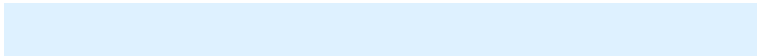
38.7104, 45.8879, 30.8059

Sweetspot

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



40.9813, 45.8896, 80.0973



79.6225, 85.7143, 106.9557



44.2853, 63.1676, 48.3047



16.5316, 17.8628, 22.8265



0.0000, 0.0000, 0.0000



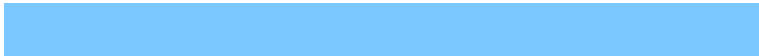
20.3446, 21.4041, 23.3091

Same Dimension

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



40.9813, 45.8896, 80.0973



46.6774, 52.4760, 102.2765



32.3232, 28.5736, 77.2113



14.2757, 15.2728, 18.3399



13.0187, 13.0995, 44.2255



1.0533, 1.1506, 3.2985

Inverse Universe

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



48.9484, 36.0485, 51.3937



58.6187, 39.4255, 58.8737



61.5747, 69.2057, 31.2332



14.7268, 14.5079, 16.7615



20.9647, 10.5201, 13.9752



1.5953, 0.7958, 1.2754

Previews

White Background



This preview shows how the XYZ color 40.9798, 45.8879, 80.0962 looks on a white background.

Color Contrast Check

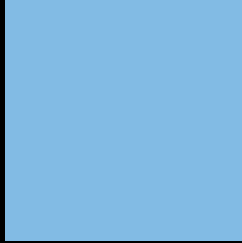
Large Text (above 18pt) WCAG AA × Fail

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 40.9798, 45.8879, 80.0962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

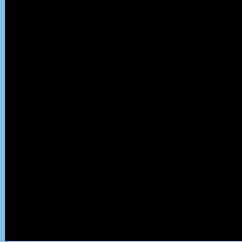
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9798, 45.8879, 80.0962

Background



This preview shows how black text looks on a background with the XYZ color 40.9798, 45.8879, 80.0962.



This preview shows how white text looks on a background with the XYZ color 40.9798, 45.8879,

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

40.9798, 45.8879, 80.0962

Protanopia

45.6828, 45.6608, 75.5129

Deuteranopia

46.7997, 45.8154, 81.2396



Tritanopia

38.0836, 46.0029, 65.2648

Trichromacy



Original Color

40.9798, 45.8879, 80.0962

Protanomaly

43.4960, 45.3981, 76.9912

Deuteranomaly

44.3770, 45.7728, 80.6249

Tritanomaly

39.1552, 46.1176, 70.4562

Monochromacy



Original Color

40.9798, 45.8879, 80.0962

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.1558, 43.5062, 57.3200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9798, 45.8879, 80.0962 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(130, 187, 228)` looks like.

```
.text, #text, p{  
    color:rgb(130, 187, 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(130, 187, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 187, 228) }
```

Border

The CSS property to change the border of an element to XYZ 40.9798, 45.8879, 80.0962 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(130, 187, 228) }
```


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

```
.border{ border-color:rgb(130, 187, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 187, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 187, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 187, 228); box-shadow:4px 4px 4px 4px rgb(130, 187, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9798, 45.8879, 80.0962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 187, 228) }
```

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

```
.background{ background-color: rgb(130,  
187, 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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