

Converting Colors

XYZ(40.1847, 57.6748, 77.5680)

Have a look what the booklet for
XYZ(40.1847, 57.6748, 77.5680)
contains.

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Color

**XYZ(40.0799, 57.5377,
77.4001)**

Conversions

Conversions Part 1

Format	Color
Hex	2FDDDD
RGB	47, 221, 221
RGB Percent	18%, 87%, 87%
CMY	0.8156, 0.1333, 0.1333
CMYK	0.79, 0.00, 0.00, 0.13
HSL	180°, 72%, 53%
HSV	180°, 79%, 87%
XYZ	40.0799, 57.5377, 77.4001
YIQ	168.9740, -103.7040, -36.8880

Conversions

Conversions Part 2

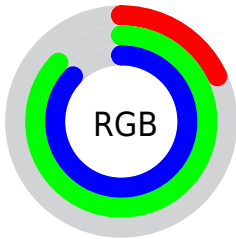
Format	Color
RYB	47, 134, 221
Decimal	3136989
CIELab	80.48, -40.92, -12.15
CIELCh	80, 42.688, 196.533
Yxy	57.5377, 0.2290, 0.3288
Android (android.graphics.Color)	4281327069 (0xFF2FDDDD)
YUV	168.9740, 25.6488, -106.9712
Hunter-Lab	75.8536, -38.4271, -7.4013

Details

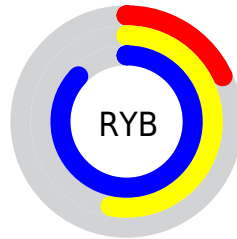
The XYZ color **40.0799, 57.5377, 77.4001** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.3503, 17.6123, 4.4382**, and the grayscale version is **37.6160, 39.5750, 43.0971**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **20.3381, 29.6634, 40.7301** is the 20% darker color. If you saturate the color by 10%, you get **39.3074, 57.1407, 77.3651**, and if you desaturate by 10%, it is **41.3711, 58.2046, 77.4620**.

Distribution



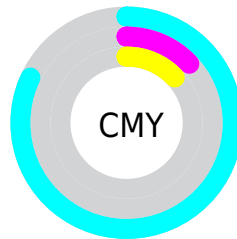
- Red (18%)
- Green (87%)
- Blue (87%)



- Red (18%)
- Yellow (53%)
- Blue (87%)



- Cyan (79%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)



- Cyan (82%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0799, 57.5377, 77.4001 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 40.0799, 57.5377, 77.4001 by changing the saturation by 10% instead.

40.0799, 57.5377,
77.4001

40.0799, 57.5377,
77.4001

337.5889,
415.4611, 505.6009

27.7853, 41.4371,
57.0678

74.5687, 101.2493,
131.4823

18.3035, 28.6608,
40.6499

97.4937, 129.6292,
166.0692

11.2691, 18.8244,
27.7280

124.6929,
162.8709, 206.2448

6.3168, 11.5434,
17.8835

156.5316,
201.3588, 252.4275

3.0811, 6.4336,
10.6978

193.3752,
245.4774, 305.0360

1.1968, 3.1105,
5.7524

235.5890,

0.1038, 1.1897,

295.6111, 364.4887

2.6288

283.5385,
352.1442, 431.2041

■ 0.0000, 0.0533,
0.9073

■ 0.0000, 0.0000,
0.0000

■ 40.0799, 57.5377,
77.4001

■ 40.0799, 57.5377,
77.4001

■ 39.3074, 57.1407,
77.3651

■ 41.3711, 58.2046,
77.4620

■ 38.9438, 56.9533,
77.3479


■ 43.2444, 59.1703,
77.5498


■ 38.9086, 56.9351,
77.3463


■ 45.7595, 60.4669,
77.6676


■ 48.9676, 62.1207,
77.8179

 52.9144, 64.1554,
78.0028

 57.6422, 66.5926,
78.2242

 63.1895, 69.4524,
78.4840

 69.5929, 72.7534,
78.7838

 76.8862, 76.5132,
79.1252

Harmonies

Analogous

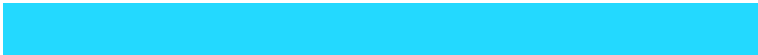
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.8907, 57.5377, 52.0743



40.0799, 57.5377, 77.4001



43.9013, 57.5377, 104.5772

Triad

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



40.0799, 57.5377, 77.4001



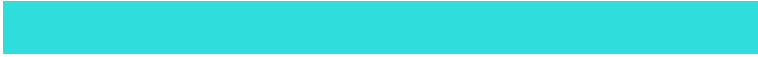
67.8435, 57.5377, 102.0309



58.7044, 57.5377, 26.4761

Complementary

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



40.0799, 57.5377, 77.4001



31.3503, 17.6123, 4.4382

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.



67.1107, 57.5377, 33.7592



40.0799, 57.5377, 77.4001



72.7549, 57.5377, 74.5659

Square

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



40.0799, 57.5377, 77.4001



59.6215, 57.5377, 121.1930



72.4732, 57.5377, 49.9019



50.0342, 57.5377, 26.8540

Rectangle

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



40.0799, 57.5377, 77.4001



48.2518, 57.5377, 118.1216



72.4732, 57.5377, 49.9019



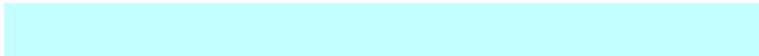
61.6721, 57.5377, 28.0043

Sweetspot

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



40.0816, 57.5399, 77.4015



76.0067, 90.1828, 108.0083



27.6819, 52.5959, 11.3840



15.7852, 19.0537, 23.0956



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.



40.0816, 57.5399, 77.4015



54.0116, 78.8439, 106.9775



23.1573, 23.6908, 71.7611



13.4449, 14.8296, 16.8059



22.6018, 33.0734, 44.9301



1.4643, 2.1427, 2.9108

Inverse Universe

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



31.3503, 17.6123, 4.4382



41.5035, 21.6455, 2.4538



38.4642, 31.8400, 6.8094



13.0561, 13.0515, 13.5567



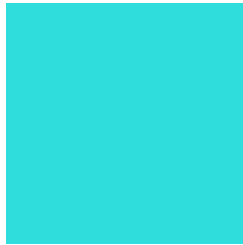
17.3222, 8.9299, 0.8107



1.1222, 0.5785, 0.0525

Previews

White Background



This preview shows how the XYZ color 40.0799, 57.5377, 77.4001 looks on a white background.

Color Contrast Check

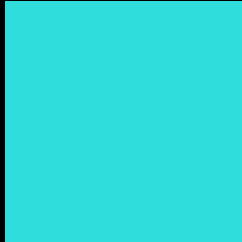
Large Text (above 18pt) WCAG AA × Fail

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 40.0799, 57.5377, 77.4001 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

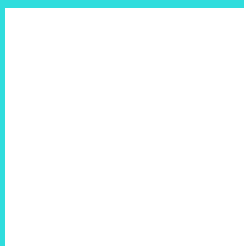
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0799, 57.5377, 77.4001

Background



This preview shows how black text looks on a background with the XYZ color 40.0799, 57.5377, 77.4001.

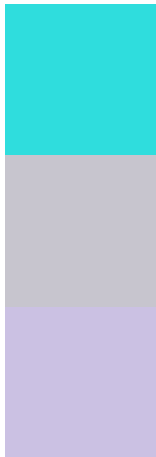


This preview shows how white text looks on a background with the XYZ color 40.0799, 57.5377,

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

40.0799, 57.5377, 77.4001

Protanopia

54.6600, 56.5308, 66.4232

Deuteranopia

57.5637, 56.3825, 80.5220



Tritanopia

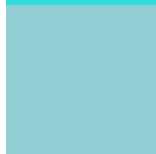
42.3353, 57.6798, 88.2589

Trichromacy



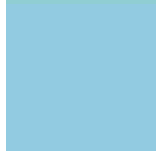
Original Color

40.0799, 57.5377, 77.4001



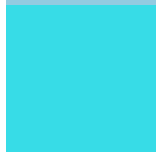
Protanomaly

45.3308, 54.7751, 69.8115



Deuteranomaly

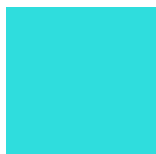
46.8006, 54.2591, 79.2406



Tritanomaly

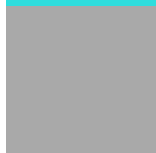
41.5926, 57.7681, 84.5595

Monochromacy



Original Color

40.0799, 57.5377, 77.4001



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.5178, 43.9573, 54.1896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0799, 57.5377, 77.4001 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(47, 221, 221)` looks like.

```
.text, #text, p{  
    color:rgb(47, 221, 221)  
}
```

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(47, 221, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 221, 221) }
```

Border

The CSS property to change the border of an element to XYZ 40.0799, 57.5377, 77.4001 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(47, 221, 221) }
```


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

```
.border{ border-color:rgb(47, 221, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 221, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 221, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 221, 221);  
box-shadow:4px 4px 4px 4px rgb(47, 221,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0799, 57.5377, 77.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 221, 221) }
```

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

```
.background{ background-color: rgb(47, 221,  
221) }
```

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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