

Converting Colors

XYZ(29.8517, 41.0605, 57.3919)

Have a look what the booklet for
XYZ(29.8517, 41.0605, 57.3919)
contains.

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Color

**XYZ(29.7707, 40.9182,
57.3679)**

Conversions

Conversions Part 1

Format	Color
Hex	3FBCC2
RGB	63, 188, 194
RGB Percent	25%, 74%, 76%
CMY	0.7529, 0.2627, 0.2392
CMYK	0.68, 0.03, 0.00, 0.24
HSL	183°, 52%, 50%
HSV	183°, 68%, 76%
XYZ	29.7707, 40.9182, 57.3679
YIQ	151.3090, -76.4260, -24.6340

Conversions

Conversions Part 2

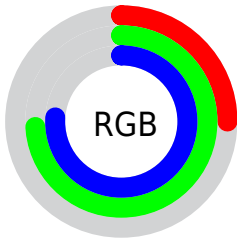
Format	Color
RYB	63, 127, 194
Decimal	4177090
CIELab	70.12, -31.64, -13.05
CIELCh	70, 34.225, 202.422
Yxy	40.9182, 0.2325, 0.3195
Android (android.graphics.Color)	4282367170 (0xFF3FBCC2)
YUV	151.3090, 21.0467, -77.4470
Hunter-Lab	63.9673, -28.8681, -8.3960

Details

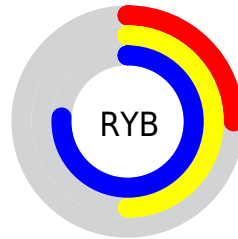
The XYZ color **29.7707, 40.9182, 57.3679** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **25.2744, 16.0855, 6.4764**, and the grayscale version is **29.4853, 31.0208, 33.7816**.

A 20% lighter version of the original color is **58.6601, 76.7190, 102.1590**, and **13.2587, 18.9436, 27.7686** is the 20% darker color. If you saturate the color by 10%, you get **28.5543, 40.0111, 57.2577**, and if you desaturate by 10%, it is **31.4272, 42.0557, 57.5009**.

Distribution



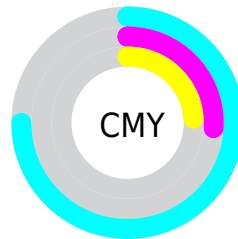
- Red (25%)
- Green (74%)
- Blue (76%)



- Red (25%)
- Yellow (50%)
- Blue (76%)



- Cyan (68%)
- Magenta (3%)
- Yellow (0%)
- Black (24%)



- Cyan (75%)
- Magenta (26%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7707, 40.9182, 57.3679 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 29.7707, 40.9182, 57.3679 by changing the saturation by 10% instead.

■ 29.7707, 40.9182,
57.3679

■ 29.7707, 40.9182,
57.3679

■ 292.7632,
349.9786, 432.3587

■ 19.8118, 28.2552,
40.8894

■ 58.6885, 76.5597,
102.5075

■ 12.3658, 18.5181,
27.9136

■ 78.3781, 100.3070,
132.0056

■ 7.0673, 11.3226,
18.0221

■ 102.0420,
128.5178, 166.6806

■ 3.5509, 6.2843,
10.7962

■ 130.0455,
161.5765, 206.9511

■ 1.4514, 3.0187,
5.8175

■ 162.7541,
199.8676, 253.2357

■ 0.2924, 1.1415,
2.6675

200.5330,

■ 0.0000, 0.0131,

243.7753, 305.9527

0.9270

243.7476,
293.6842, 365.5209

■ 0.0000, 0.0000,
0.0000

■ 29.7707, 40.9182,
57.3679

■ 29.7707, 40.9182,
57.3679

■ 28.5543, 40.0111,
57.2577

■ 31.4272, 42.0557,
57.5009

■ 27.7259, 39.3050,
57.1650

■ 33.5612, 43.4402,
57.6557

■ 27.2176, 38.7655,
57.0877

■ 36.2106, 45.0920,
57.8349

■ 27.1113, 38.6422,
57.0695

■ 39.4081, 47.0283,
58.0401

■ 43.1841, 49.2644,
58.2727

■ 47.5664, 51.8149,
58.5340

■ 52.5813, 54.6933,
58.8253

■ 58.2534, 57.9122,
59.1476

■ 64.6060, 61.4837,
59.5022

Harmonies

Analogous

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



29.1728, 40.9182, 40.6124



29.7707, 40.9182, 57.3679



32.6931, 40.9182, 73.7020

Triad

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



29.7707, 40.9182, 57.3679



48.0554, 40.9182, 66.1063



40.3275, 40.9182, 20.4597

Complementary

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



29.7707, 40.9182, 57.3679



25.2744, 16.0855, 6.4764

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.



45.8277, 40.9182, 24.3249



29.7707, 40.9182, 57.3679



50.5595, 40.9182, 48.7405

Square

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



29.7707, 40.9182, 57.3679



43.1408, 40.9182, 79.5321



49.7075, 40.9182, 33.8044



34.9309, 40.9182, 21.7106

Rectangle

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



29.7707, 40.9182, 57.3679



35.7324, 40.9182, 80.8501



49.7075, 40.9182, 33.8044



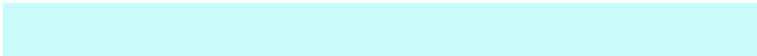
42.2316, 40.9182, 21.1637

Sweetspot

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



29.7720, 40.9197, 57.3689



76.2169, 88.0648, 105.4509



22.3669, 40.0509, 11.9210



16.2560, 19.0282, 23.0660



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.



29.7720, 40.9197, 57.3689



50.9358, 71.8371, 103.6511



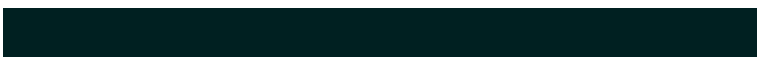
19.0131, 19.4020, 53.7826



10.3277, 11.3468, 12.9307



17.8415, 25.4395, 37.5266



0.7833, 1.1240, 1.6255

Inverse Universe

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



33.1038, 18.6563, 49.4348



57.5543, 29.3669, 87.4971



31.5158, 28.5682, 8.5569



10.4767, 10.2393, 12.6010



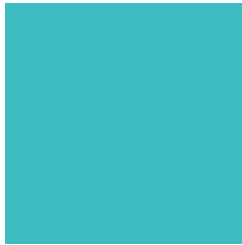
20.4015, 9.8504, 31.0902



0.8877, 0.4281, 1.3763

Previews

White Background



This preview shows how the XYZ color 29.7707, 40.9182, 57.3679 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 29.7707, 40.9182, 57.3679 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

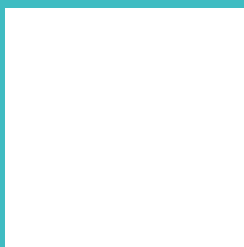
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7707, 40.9182, 57.3679

Background



This preview shows how black text looks on a background with the XYZ color 29.7707, 40.9182, 57.3679.

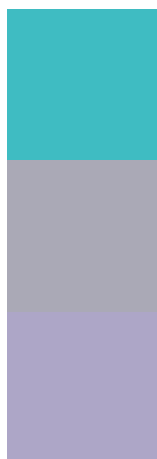


This preview shows how white text looks on a background with the XYZ color 29.7707, 40.9182,

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

29.7707, 40.9182, 57.3679

Protanopia

39.2090, 40.2994, 49.9680

Deuteranopia

41.1786, 40.2802, 59.6373



Tritanopia

30.7457, 40.9982, 62.1701

Trichromacy



Original Color

29.7707, 40.9182, 57.3679



Protanomaly

33.7483, 39.4211, 52.2847



Deuteranomaly

34.8870, 39.2899, 58.5683



Tritanomaly

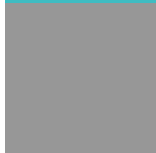
30.3259, 40.8224, 60.3140

Monochromacy



Original Color

29.7707, 40.9182, 57.3679



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.8583, 33.2629, 41.5113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7707, 40.9182, 57.3679 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(63, 188, 194)` looks like.

```
.text, #text, p{  
    color:rgb(63, 188, 194)  
}
```

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(63, 188, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 188, 194) }
```

Border

The CSS property to change the border of an element to XYZ 29.7707, 40.9182, 57.3679 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(63, 188, 194) }
```


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

```
.border{ border-color:rgb(63, 188, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 188, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 188, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 188, 194);  
box-shadow:4px 4px 4px 4px rgb(63, 188,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7707, 40.9182, 57.3679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 188, 194) }
```

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

```
.background{ background-color: rgb(63, 188,  
194) }
```

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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