

Converting Colors

XYZ(30.4707, 41.1090, 56.4261)

Have a look what the booklet for
XYZ(30.4707, 41.1090, 56.4261)
contains.

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Color

**XYZ(30.3453, 40.9242,
56.1690)**

Conversions

Conversions Part 1

Format	Color
Hex	4DBBC0
RGB	77, 187, 192
RGB Percent	30%, 73%, 75%
CMY	0.6980, 0.2667, 0.2471
CMYK	0.60, 0.03, 0.00, 0.25
HSL	183°, 48%, 53%
HSV	183°, 60%, 75%
XYZ	30.3453, 40.9242, 56.1690
YIQ	154.6800, -67.1650, -21.7650

Conversions

Conversions Part 2

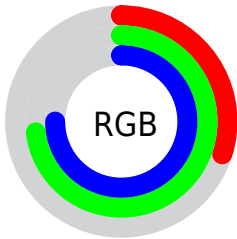
Format	Color
RYB	77, 133, 192
Decimal	5094336
CIELab	70.12, -29.49, -11.91
CIElCh	70, 31.801, 202.002
Yxy	40.9242, 0.2381, 0.3211
Android (android.graphics.Color)	4283284416 (0xFF4DBBC0)
YUV	154.6800, 18.3988, -68.1254
Hunter-Lab	63.9720, -27.2791, -7.2777

Details

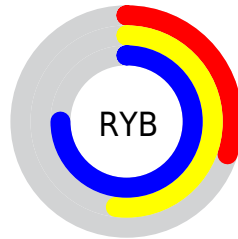
The XYZ color **30.3453, 40.9242, 56.1690** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **26.0959, 17.7777, 9.0782**, and the grayscale version is **30.9582, 32.5704, 35.4692**.

A 20% lighter version of the original color is **59.6105, 76.7970, 100.4884**, and **13.0477, 18.6391, 27.3361** is the 20% darker color. If you saturate the color by 10%, you get **28.8426, 39.8884, 56.0490**, and if you desaturate by 10%, it is **32.3086, 42.2009, 56.3127**.

Distribution



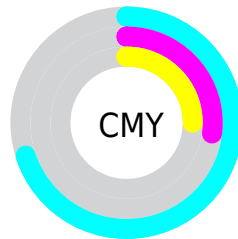
- Red (30%)
- Green (73%)
- Blue (75%)



- Red (30%)
- Yellow (52%)
- Blue (75%)



- Cyan (60%)
- Magenta (3%)
- Yellow (0%)
- Black (25%)



- Cyan (70%)
- Magenta (27%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3453, 40.9242, 56.1690 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 30.3453, 40.9242, 56.1690 by changing the saturation by 10% instead.

■ 30.3453, 40.9242,
56.1690

■ 30.3453, 40.9242,
56.1690

295.3917,
350.0037, 427.7343

■ 20.2502, 28.2599,
39.9335

■ 59.5907, 76.5688,
100.7399

■ 12.6864, 18.5216,
27.1733

■ 79.4717, 100.3179,
129.9124

■ 7.2884, 11.3251,
17.4699

■ 103.3454,
128.5306, 164.2343

■ 3.6911, 6.2860,
10.4046

■ 131.5772,
161.5915, 204.1242

■ 1.5289, 3.0197,
5.5589

164.5323,
199.8848, 250.0006

■ 0.3454, 1.1420,
2.5144

202.5762,

■ 0.0000, 0.0136,

243.7951, 302.2821

0.8478

246.0742,
293.7065, 361.3871

■ 0.0000, 0.0000,
0.0000

■ 30.3453, 40.9242,
56.1690

■ 30.3453, 40.9242,
56.1690

■ 28.8426, 39.8884,
56.0490

■ 32.3086, 42.2009,
56.3127

■ 27.7553, 39.0673,
55.9478

■ 34.7654, 43.7325,
56.4788

■ 27.0355, 38.4372,
55.8641

■ 37.7497, 45.5376,
56.6700

■ 26.5881, 37.9490,
55.7935

■ 41.2915, 47.6317,
56.8875

■ 26.5837, 37.9440,
55.7928

■ 45.4187, 50.0291,
57.1327

■ 50.1570, 52.7430,
57.4068

■ 55.5308, 55.7862,
57.7110

■ 61.5632, 59.1703,
58.0462

■ 68.2760, 62.9068,
58.4136

Harmonies

Analogous

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



29.8138, 40.9242, 40.6936



30.3453, 40.9242, 56.1690



33.0618, 40.9242, 71.1426

Triad

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



30.3453, 40.9242, 56.1690



47.3187, 40.9242, 64.6109



40.3048, 40.9242, 21.7960

Complementary

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



30.3453, 40.9242, 56.1690



26.0959, 17.7777, 9.0782

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.



45.3818, 40.9242, 25.5918



30.3453, 40.9242, 56.1690



49.6602, 40.9242, 48.6628

Square

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



30.3453, 40.9242, 56.1690



42.7639, 40.9242, 76.7240



48.9215, 40.9242, 34.6712



35.2710, 40.9242, 22.9370

Rectangle

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



30.3453, 40.9242, 56.1690



35.8895, 40.9242, 77.7111



48.9215, 40.9242, 34.6712



42.0685, 40.9242, 22.5003

Sweetspot

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



30.3465, 40.9258, 56.1700



75.9443, 86.9642, 103.1434



23.3901, 39.8695, 14.2157



15.8545, 18.4002, 22.1013



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



30.3465, 40.9258, 56.1700



51.5392, 71.7484, 101.4927



20.6477, 21.5280, 52.9370



10.3298, 11.3509, 12.9313



17.9029, 25.5624, 37.5471



0.7853, 1.1281, 1.6262

Inverse Universe

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



33.3628, 20.1032, 49.1373



57.6159, 31.0979, 87.0327



32.2152, 30.0162, 11.1180



10.4778, 10.2397, 12.6065



20.4326, 9.8628, 31.2535



0.8888, 0.4285, 1.3817

Previews

White Background



This preview shows how the XYZ color 30.3453, 40.9242, 56.1690 looks on a white background.

Color Contrast Check

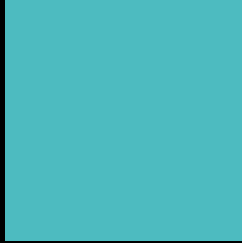
Large Text (above 18pt) WCAG AA × Fail

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 30.3453, 40.9242, 56.1690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

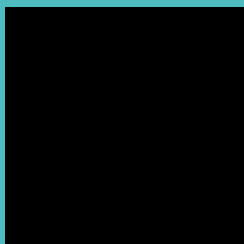
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

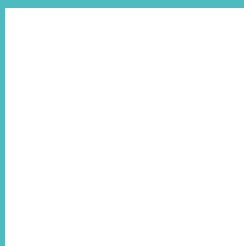
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3453, 40.9242, 56.1690

Background



This preview shows how black text looks on a background with the XYZ color 30.3453, 40.9242, 56.1690.

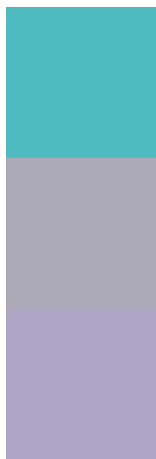


This preview shows how white text looks on a background with the XYZ color 30.3453, 40.9242,

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

30.3453, 40.9242, 56.1690

Protanopia

39.1060, 40.2582, 49.4256

Deuteranopia

41.1698, 40.3023, 58.4326



Tritanopia

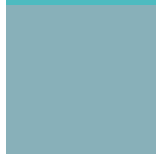
31.4949, 41.0842, 61.5284

Trichromacy



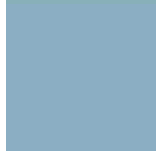
Original Color

30.3453, 40.9242, 56.1690



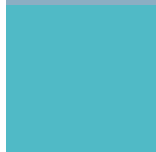
Protanomaly

34.4356, 39.7877, 51.7638



Deuteranomaly

35.6338, 39.7012, 57.4148



Tritanomaly

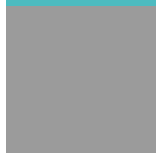
31.0602, 40.9005, 59.6836

Monochromacy



Original Color

30.3453, 40.9242, 56.1690



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.6390, 34.9766, 42.2348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3453, 40.9242, 56.1690 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(77, 187, 192)` looks like.

```
.text, #text, p{  
    color:rgb(77, 187, 192)  
}
```

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(77, 187, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 187, 192) }
```

Border

The CSS property to change the border of an element to XYZ 30.3453, 40.9242, 56.1690 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(77, 187, 192) }
```


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

```
.border{ border-color:rgb(77, 187, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 187, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 187, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 187, 192);  
box-shadow:4px 4px 4px 4px rgb(77, 187,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3453, 40.9242, 56.1690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 187, 192) }
```

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

```
.background{ background-color: rgb(77, 187,  
192) }
```

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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