

Converting Colors

XYZ(42.0270, 55.1389, 74.1792)

Have a look what the booklet for
XYZ(42.0270, 55.1389, 74.1792)
contains.

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Color

**XYZ(42.0117, 55.1609,
74.0785)**

Conversions

Conversions Part 1

Format	Color
Hex	6AD4D9
RGB	106, 212, 217
RGB Percent	42%, 83%, 85%
CMY	0.5843, 0.1686, 0.1490
CMYK	0.51, 0.02, 0.00, 0.15
HSL	183°, 59%, 63%
HSV	183°, 51%, 85%
XYZ	42.0117, 55.1609, 74.0785
YIQ	180.8760, -64.7810, -20.9170

Conversions

Conversions Part 2

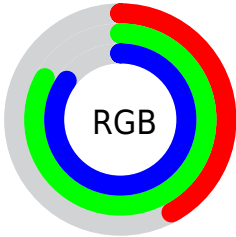
Format	Color
RYB	106, 160, 217
Decimal	7001305
CIELab	79.13, -29.19, -11.88
CIElCh	79, 31.511, 202.147
Yxy	55.1609, 0.2453, 0.3221
Android (android.graphics.Color)	4285191385 (0xFF6AD4D9)
YUV	180.8760, 17.8091, -65.6663
Hunter-Lab	74.2704, -29.0031, -7.1475

Details

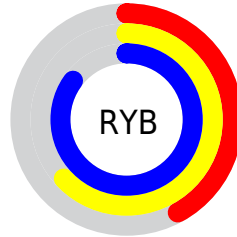
The XYZ color **42.0117, 55.1609, 74.0785** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.9022, 27.1621, 16.9348**, and the grayscale version is **43.7874, 46.0678, 50.1678**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **19.4536, 27.1737, 38.4022** is the 20% darker color. If you saturate the color by 10%, you get **39.5089, 53.5104, 73.8928**, and if you desaturate by 10%, it is **45.1717, 57.1549, 74.2978**.

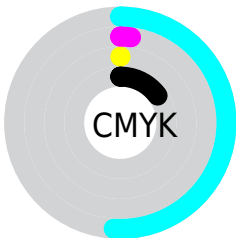
Distribution



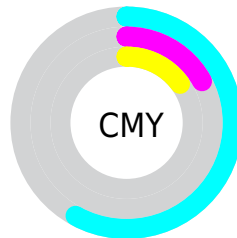
- Red (42%)
- Green (83%)
- Blue (85%)



- Red (42%)
- Yellow (63%)
- Blue (85%)



- Cyan (51%)
- Magenta (2%)
- Yellow (0%)
- Black (15%)





- Cyan (58%)
- Magenta (17%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0117, 55.1609, 74.0785 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 42.0117, 55.1609, 74.0785 by changing the saturation by 10% instead.


 42.0117, 55.1609,
74.0785


 42.0117, 55.1609,
74.0785


345.5222,
406.5216, 493.9149


 29.3016, 39.5306,
54.3611


 77.4824, 97.7767,
126.7422

 19.4545, 27.1727,
38.4953


 100.9737,
125.5309, 160.5255

 12.1051, 17.7030,
26.0625


 128.7894,
158.0952, 199.8346

 6.8880, 10.7370,
16.6442

161.2950,
195.8539, 245.0879

 3.4379, 5.8902,
9.8219

198.8557,
239.1915, 296.7041

 1.3893, 2.7785,
5.1770

241.8369,

 0.2486, 1.0172,

288.4924, 355.1016

2.2909

290.6039,
344.1410, 420.6990

■ 0.0000, 0.0000,
0.7261

■ 0.0000, 0.0000,
0.0000

■ 42.0117, 55.1609,
74.0785

■ 42.0117, 55.1609,
74.0785

■ 39.5089, 53.5104,
73.8928

■ 45.1717, 57.1549,
74.2978

■ 37.6081, 52.1712,
73.7345

■ 49.0289, 59.5093,
74.5490

■ 36.2534, 51.1156,
73.6022

■ 53.6259, 62.2473,
74.8351

■ 35.3762, 50.3085,
73.4926

■ 59.0006, 65.3883,
75.1582

■ 34.8932, 49.7472,
73.4097

■ 65.1882, 68.9507,
75.5196

■ 72.2217, 72.9513,
75.9211

■ 79.0552, 76.8511,
76.3137

■ 79.3106, 77.3620,
76.3988

■ 79.5676, 77.8758,
76.4845

Harmonies

Analogous

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



41.3437, 55.1609, 55.4545



42.0117, 55.1609, 74.0785



45.3562, 55.1609, 91.7487

Triad

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



42.0117, 55.1609, 74.0785



62.5632, 55.1609, 83.9046



54.0976, 55.1609, 31.8818

Complementary

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



42.0117, 55.1609, 74.0785



36.9022, 27.1621, 16.9348

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.



60.2009, 55.1609, 36.6651



42.0117, 55.1609, 74.0785



65.3368, 55.1609, 64.9155

Square

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



42.0117, 55.1609, 74.0785



57.1186, 55.1609, 98.1659



64.4395, 55.1609, 47.9334



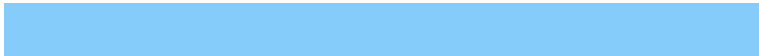
48.0029, 55.1609, 33.3659

Rectangle

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



42.0117, 55.1609, 74.0785



48.8099, 55.1609, 99.4021



64.4395, 55.1609, 47.9334



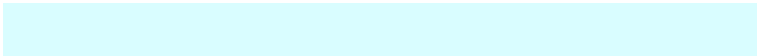
56.2222, 55.1609, 32.7699

Sweetspot

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



42.0134, 55.1630, 74.0798



81.8040, 92.3595, 108.1234



33.5561, 53.8103, 23.2855



17.1571, 19.5628, 23.1217



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.



42.0134, 55.1630, 74.0798



56.8111, 77.0304, 106.4818



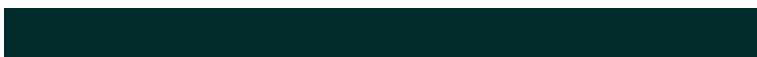
30.6623, 32.4609, 70.2961



13.3920, 14.7238, 16.7883



21.1438, 30.1570, 44.4449



1.3857, 1.9854, 2.8846

Inverse Universe

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



45.6543, 29.8146, 65.6382



62.6872, 37.0462, 92.6503



44.7092, 42.7762, 19.5372



13.5877, 13.2642, 16.3562



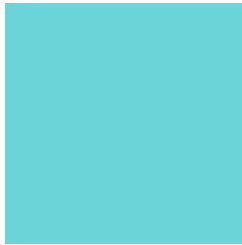
24.1677, 11.6681, 36.8590



1.5737, 0.7591, 2.4300

Previews

White Background



This preview shows how the XYZ color 42.0117, 55.1609, 74.0785 looks on a white background.

Color Contrast Check

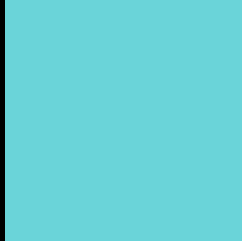
Large Text (above 18pt) WCAG AA × Fail

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 42.0117, 55.1609, 74.0785 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 42.0117, 55.1609, 74.0785

Background



This preview shows how black text looks on a background with the XYZ color 42.0117, 55.1609, 74.0785.

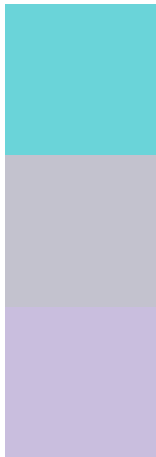


This preview shows how white text looks on a background with the XYZ color 42.0117, 55.1609,

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

42.0117, 55.1609, 74.0785

Protanopia

52.9380, 54.6419, 66.1493

Deuteranopia

55.6857, 54.5183, 76.6954



Tritanopia

43.3421, 54.9542, 80.9959

Trichromacy



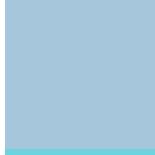
Original Color

42.0117, 55.1609, 74.0785



Protanomaly

47.6238, 54.2130, 68.9269



Deuteranomaly

48.8382, 53.6625, 75.4940



Tritanomaly

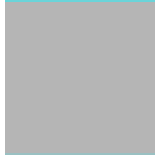
42.9202, 55.1675, 78.1983

Monochromacy



Original Color

42.0117, 55.1609, 74.0785



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

41.9137, 48.4643, 58.1844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0117, 55.1609, 74.0785 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(106, 212, 217)` looks like.

```
.text, #text, p{  
    color:rgb(106, 212, 217)  
}
```

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(106, 212, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 212, 217) }
```

Border

The CSS property to change the border of an element to XYZ 42.0117, 55.1609, 74.0785 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(106, 212, 217) }
```


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

```
.border{ border-color:rgb(106, 212, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 212, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 212, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 212, 217);  
box-shadow:4px 4px 4px 4px rgb(106, 212,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0117, 55.1609, 74.0785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 212, 217) }
```

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

```
.background{ background-color: rgb(106,  
212, 217) }
```

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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