

Converting Colors

XYZ(36.0267, 47.2408, 74.2384)

Have a look what the booklet for
XYZ(36.0267, 47.2408, 74.2384)
contains.

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Color

**XYZ(35.8819, 46.9985,
74.1983)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4BC6DB |
| RGB | 75, 198, 219 |
| RGB Percent | 29%, 78%, 86% |
| CMY | 0.7059, 0.2235, 0.1412 |
| CMYK | 0.66, 0.10, 0.00, 0.14 |
| HSL | 189°, 67%, 58% |
| HSV | 189°, 66%, 86% |
| XYZ | 35.8819, 46.9985, 74.1983 |
| YIQ | 163.6170, -80.0490, -19.5450 |

Conversions

Conversions Part 2

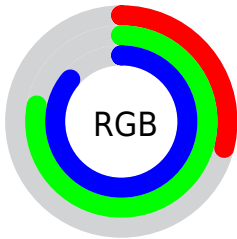
| Format | Color |
|-------------------------------------|---|
| RYB | 75, 141, 219 |
| Decimal | 4966107 |
| CIELab | 74.19, -27.38, -20.50 |
| CIELCh | 74, 34.202, 216.826 |
| Yxy | 46.9985, 0.2284, 0.2992 |
| Android (android.graphics.Color) | 4283156187 (0xFF4BC6DB) |
| YUV | 163.6170, 27.3038, -77.7171 |
| Hunter-Lab | 68.5555, -26.5452, -16.1814 |

Details

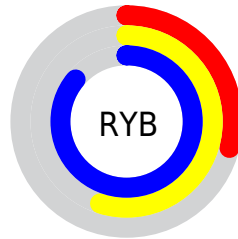
The XYZ color **35.8819, 46.9985, 74.1983** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **34.6675, 23.9353, 9.4508**, and the grayscale version is **35.0082, 36.8313, 40.1093**.

A 20% lighter version of the original color is **64.4575, 84.2290, 107.4683**, and **16.6741, 22.6269, 38.6106** is the 20% darker color. If you saturate the color by 10%, you get **33.7326, 44.8192, 73.8918**, and if you desaturate by 10%, it is **38.6388, 49.5159, 74.5398**.

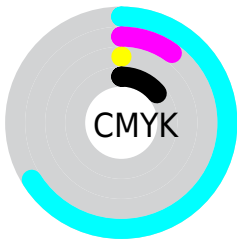
Distribution



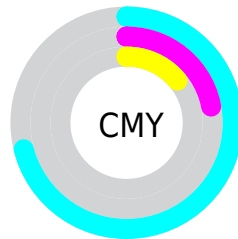
- Red (29%)
- Green (78%)
- Blue (86%)



- Red (29%)
- Yellow (55%)
- Blue (86%)



- Cyan (66%)
- Magenta (10%)
- Yellow (0%)
- Black (14%)



- Cyan (71%)
- Magenta (22%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8819, 46.9985, 74.1983 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 35.8819, 46.9985, 74.1983 by changing the saturation by 10% instead.

35.8819, 46.9985,
74.1983

35.8819, 46.9985,
74.1983

319.8843,
374.8085, 494.3392

24.5127, 33.0345,
54.4586

68.1748, 85.7114,
126.9135

15.8412, 22.1529,
38.5727

89.8292, 111.2290,
160.7261

9.5020, 13.9693,
26.1222

115.6427,
141.3667, 200.0667

5.1297, 8.0993,
16.6885

145.9807,
176.5087, 245.3539

2.3591, 4.1585,
9.8531

181.2085,
217.0395, 297.0062

0.8247, 1.7626,
5.1973

221.6914,

0.0000, 0.4637,

263.3435, 355.4421

2.3027

267.7949,
315.8050, 421.0803

■ 0.0000, 0.0000,
0.7328

■ 0.0000, 0.0000,
0.0000

■ 35.8819, 46.9985,
74.1983

■ 35.8819, 46.9985,
74.1983

■ 33.7326, 44.8192,
73.8918

■ 38.6388, 49.5159,
74.5398

■ 32.1231, 42.9398,
73.6139

■ 42.0536, 52.3944,
74.9154

■ 30.9764, 41.3216,
73.3620

■ 46.1759, 55.6609,
75.3286

■ 30.5704, 40.6826,
73.2600

■ 51.0496, 59.3379,
75.7815

■ 56.7149, 63.4464,
76.2759

■ 63.2090, 68.0057,
76.8137

■ 70.5668, 73.0339,
77.3964

■ 78.8211, 78.5481,
78.0257

■ 81.4260, 81.1738,
78.3952

Harmonies

Analogous

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



33.9567, 46.9985, 55.2924



35.8819, 46.9985, 74.1983



40.1896, 46.9985, 88.9158

Triad

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



35.8819, 46.9985, 74.1983



56.4101, 46.9985, 65.6451



43.2840, 46.9985, 24.4349

Complementary

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



35.8819, 46.9985, 74.1983



34.6675, 23.9353, 9.4508

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.



49.4731, 46.9985, 25.9848



35.8819, 46.9985, 74.1983



57.4300, 46.9985, 47.2642

Square

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



35.8819, 46.9985, 74.1983



52.1169, 46.9985, 83.2407



54.7887, 46.9985, 33.4850



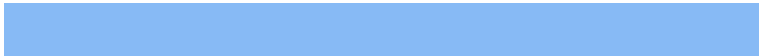
37.9698, 46.9985, 28.6237

Rectangle

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



35.8819, 46.9985, 74.1983



44.0210, 46.9985, 92.8350



54.7887, 46.9985, 33.4850



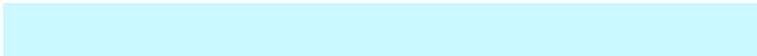
45.3267, 46.9985, 24.3205

Sweetspot

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



35.8834, 47.0002, 74.1994



76.3850, 86.9236, 107.3598



30.2638, 52.9718, 19.2680



15.8702, 18.2565, 22.9374



0.0000, 0.0000, 0.0000



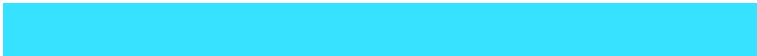
20.3446, 21.4041, 23.3091

Same Dimension

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



35.8834, 47.0002, 74.1994



46.6412, 62.1797, 104.1514



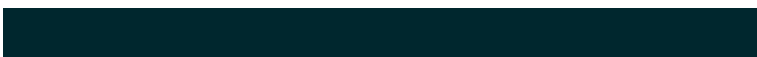
23.3825, 21.9984, 70.0325



13.2746, 14.4890, 16.7491



18.1893, 24.2480, 43.4601



1.2235, 1.6611, 2.8306

Inverse Universe

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



41.9238, 24.1709, 55.8837



56.2141, 29.3269, 74.3783



44.1574, 42.9150, 12.6141



13.5285, 13.2405, 16.0442



22.6764, 11.0716, 29.0059



1.4919, 0.7264, 1.9990

Previews

White Background



This preview shows how the XYZ color 35.8819, 46.9985, 74.1983 looks on a white background.

Color Contrast Check

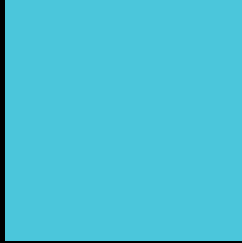
Large Text (above 18pt) WCAG AA × Fail

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 35.8819, 46.9985, 74.1983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

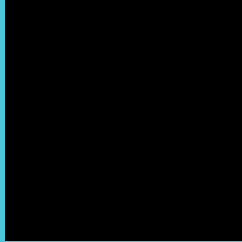
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8819, 46.9985, 74.1983

Background



This preview shows how black text looks on a background with the XYZ color 35.8819, 46.9985, 74.1983.



This preview shows how white text looks on a background with the XYZ color 35.8819, 46.9985,

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

35.8819, 46.9985, 74.1983

Protanopia

45.7152, 46.4946, 65.5964

Deuteranopia

47.3081, 46.1732, 76.9399



Tritanopia

35.4368, 47.1696, 71.5269

Trichromacy



Original Color

35.8819, 46.9985, 74.1983

Protanomaly

40.3434, 45.8192, 68.3457

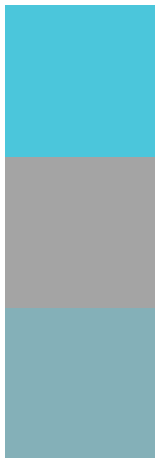
Deuteranomaly

41.3490, 45.5473, 75.7194

Tritanomaly

35.6421, 47.2606, 72.2094

Monochromacy



Original Color

35.8819, 46.9985, 74.1983

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.6928, 39.4169, 51.1798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8819, 46.9985, 74.1983 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(75, 198, 219)` looks like.

```
.text, #text, p{  
    color:rgb(75, 198, 219)  
}
```

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(75, 198, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 198, 219) }
```

Border

The CSS property to change the border of an element to XYZ 35.8819, 46.9985, 74.1983 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(75, 198, 219) }
```


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

```
.border{ border-color:rgb(75, 198, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 198, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 198, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 198, 219);  
box-shadow:4px 4px 4px 4px rgb(75, 198,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8819, 46.9985, 74.1983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 198, 219) }
```

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

```
.background{ background-color: rgb(75, 198,  
219) }
```

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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