

Converting Colors

XYZ(34.4835, 45.3275, 70.1185)

Have a look what the booklet for
XYZ(34.4835, 45.3275, 70.1185)
contains.

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Color

**XYZ(34.4270, 45.3302,
69.8859)**

Conversions

Conversions Part 1

Format	Color
Hex	4BC3D5
RGB	75, 195, 213
RGB Percent	29%, 76%, 84%
CMY	0.7059, 0.2353, 0.1647
CMYK	0.65, 0.08, 0.00, 0.16
HSL	188°, 62%, 56%
HSV	188°, 65%, 84%
XYZ	34.4270, 45.3302, 69.8859
YIQ	161.1720, -77.2980, -19.8420

Conversions

Conversions Part 2

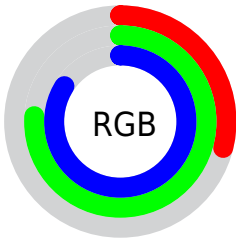
Format	Color
RYB	75, 139, 213
Decimal	4965333
CIELab	73.11, -27.67, -18.88
CIELCh	73, 33.503, 214.309
Yxy	45.3302, 0.2301, 0.3029
Android (android.graphics.Color)	4283155413 (0xFF4BC3D5)
YUV	161.1720, 25.5512, -75.5728
Hunter-Lab	67.3277, -26.5502, -14.4134




Details

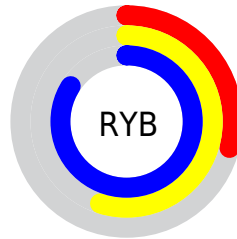
The XYZ color **34.4270, 45.3302, 69.8859** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **32.6261, 22.4841, 9.2783**, and the grayscale version is **33.8685, 35.6323, 38.8036**.




A 20% lighter version of the original color is **63.3416, 82.2441, 107.1440**, and **15.6964, 21.5184, 35.6739** is the 20% darker color. If you saturate the color by 10%, you get **32.4151, 43.3785, 69.6161**, and if you desaturate by 10%, it is **37.0108, 47.5959, 70.1879**.

Distribution







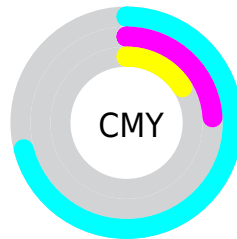
-  Red (29%)
-  Green (76%)
-  Blue (84%)






-  Red (29%)
-  Yellow (55%)
-  Blue (84%)



-  Cyan (65%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (16%)



-  Cyan (71%)
-  Magenta (24%)
-  Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4270, 45.3302, 69.8859 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 34.4270, 45.3302, 69.8859 by changing the saturation by 10% instead.

■ 34.4270, 45.3302,
69.8859

■ 34.4270, 45.3302,
69.8859

313.5844,
368.1092, 478.9276

■ 23.3863, 31.7176,
50.9573

■ 65.9370, 83.2157,
120.7256

■ 15.0012, 21.1459,
35.7981

■ 87.1370, 108.2574,
153.4738

■ 8.9066, 13.2307,
23.9899

■ 112.4542,
137.8775, 191.6656

■ 4.7369, 7.5876,
15.1140

■ 142.2538,
172.4605, 235.7195

■ 2.1269, 3.8322,
8.7519

176.9013,
212.3908, 286.0542

■ 0.7038, 1.5802,
4.4851

216.7620,

■ 0.0000, 0.3442,

258.0528, 343.0880

1.8951

262.2012,
309.8308, 407.2396

■ 0.0000, 0.0000,
0.4896

■ 0.0000, 0.0000,
0.0000

■ 34.4270, 45.3302,
69.8859

■ 34.4270, 45.3302,
69.8859

■ 32.4151, 43.3785,
69.6161

■ 37.0108, 47.5959,
70.1879

■ 30.9126, 41.7055,
69.3723

■ 40.2125, 50.1964,
70.5211

■ 29.8499, 40.2762,
69.1525

■ 44.0782, 53.1566,
70.8887

■ 29.4054, 39.5942,
69.0442

■ 48.6484, 56.4975,
71.2927

■ 53.9602, 60.2382,
71.7348

■ 60.0484, 64.3968,
72.2166

■ 66.9451, 68.9900,
72.7396

■ 74.6810, 74.0336,
73.3054

■ 78.8452, 77.2538,
73.7075

Harmonies

Analogous

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



32.7918, 45.3302, 51.8230



34.4270, 45.3302, 69.8859



38.3798, 45.3302, 84.5470

Triad

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



34.4270, 45.3302, 69.8859



54.0646, 45.3302, 64.7199



42.2434, 45.3302, 23.6527

Complementary

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



34.4270, 45.3302, 69.8859



32.6261, 22.4841, 9.2783

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.



48.1598, 45.3302, 25.6028



34.4270, 45.3302, 69.8859



55.3339, 45.3302, 46.9702

Square

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



34.4270, 45.3302, 69.8859



49.7576, 45.3302, 81.1209



53.0850, 45.3302, 33.3021



37.0373, 45.3302, 27.2013

Rectangle

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



34.4270, 45.3302, 69.8859



41.9767, 45.3302, 88.9636



53.0850, 45.3302, 33.3021



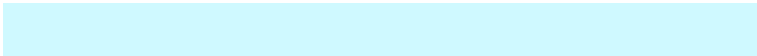
44.2127, 45.3302, 23.6943

Sweetspot

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



34.4284, 45.3319, 69.8870



77.4337, 87.9748, 107.5074



28.5897, 49.8425, 18.0354



16.0864, 18.4858, 22.9702



0.0000, 0.0000, 0.0000



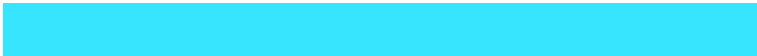
20.3446, 21.4041, 23.3091

Same Dimension

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



34.4284, 45.3319, 69.8870



47.7218, 64.1343, 104.4717



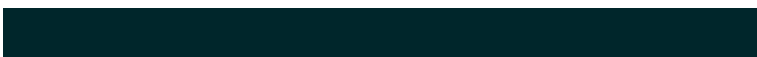
22.6194, 21.7139, 65.9507



12.6476, 13.8186, 15.9382



18.0154, 24.2925, 42.1926



1.1259, 1.5439, 2.5580

Inverse Universe

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



39.8082, 23.1198, 53.9960



56.8100, 29.7584, 76.9208



41.3000, 39.8320, 12.1696



12.8801, 12.6035, 15.3087



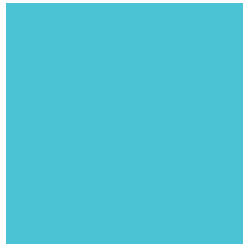
22.1522, 10.7972, 29.1691



1.3560, 0.6592, 1.8639

Previews

White Background



This preview shows how the XYZ color 34.4270, 45.3302, 69.8859 looks on a white background.

Color Contrast Check

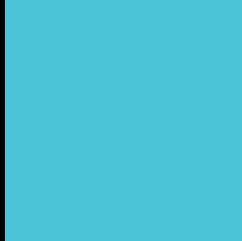
Large Text (above 18pt) WCAG AA × Fail

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 34.4270, 45.3302, 69.8859 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

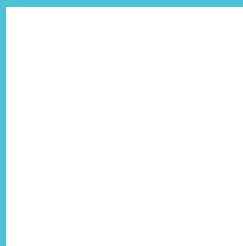
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.4270, 45.3302, 69.8859

Background



This preview shows how black text looks on a background with the XYZ color 34.4270, 45.3302, 69.8859.



This preview shows how white text looks on a background with the XYZ color 34.4270, 45.3302,

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

34.4270, 45.3302, 69.8859

Protanopia

43.9440, 44.7753, 61.5847

Deuteranopia

45.6954, 44.5642, 72.5230



Tritanopia

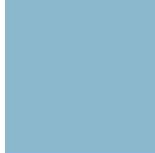
34.0970, 45.1892, 68.5533

Trichromacy



Original Color

34.4270, 45.3302, 69.8859



Protanomaly

38.8074, 44.1777, 64.2394



Deuteranomaly

39.7701, 43.9027, 71.3437



Tritanomaly

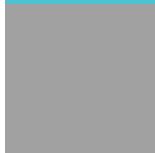
34.2228, 45.2395, 69.2157

Monochromacy



Original Color

34.4270, 45.3302, 69.8859



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

32.3877, 37.9283, 48.7939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4270, 45.3302, 69.8859 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, 195, 213)` looks like.

```
.text, #text, p{  
    color:rgb(75, 195, 213)  
}
```

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, 195, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 195, 213) }
```

Border

The CSS property to change the border of an element to XYZ 34.4270, 45.3302, 69.8859 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, 195, 213) }
```


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

```
.border{ border-color:rgb(75, 195, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 195, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 195, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 195, 213);  
box-shadow:4px 4px 4px 4px rgb(75, 195,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4270, 45.3302, 69.8859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 195, 213) }
```

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

```
.background{ background-color: rgb(75, 195,  
213) }
```

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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