

Converting Colors

XYZ(34.0042, 45.1702, 67.2481)

Have a look what the booklet for
XYZ(34.0042, 45.1702, 67.2481)
contains.

XYZ(34.0042, 45.1702, 67.2481)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.0042, 45.1702,
67.2481)**

Conversions

Conversions Part 1

Format	Color
Hex	4CC3D1
RGB	76, 195, 209
RGB Percent	30%, 76%, 82%
CMY	0.7019, 0.2353, 0.1804
CMYK	0.64, 0.07, 0.00, 0.18
HSL	186°, 59%, 56%
HSV	186°, 64%, 82%
XYZ	34.0042, 45.1702, 67.2481
YIQ	161.0150, -75.4180, -20.8740

Conversions

Conversions Part 2

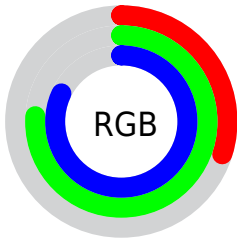
Format	Color
RYB	76, 139, 209
Decimal	5030865
CIELab	73.00, -28.69, -16.87
CIELCh	73, 33.278, 210.454
Yxy	45.1702, 0.2322, 0.3085
Android (android.graphics.Color)	4283220945 (0xFF4CC3D1)
YUV	161.0150, 23.6566, -74.5582
Hunter-Lab	67.2088, -27.3035, -12.2785

Details

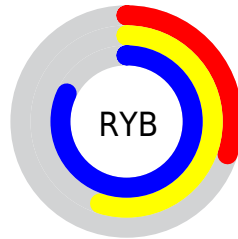
The XYZ color **34.0042, 45.1702, 67.2481** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.2562, 21.3905, 9.3201**, and the grayscale version is **33.8034, 35.5638, 38.7290**.

A 20% lighter version of the original color is **63.5079, 82.3298, 107.1518**, and **15.4413, 21.4163, 34.3303** is the 20% darker color. If you saturate the color by 10%, you get **32.1167, 43.4718, 67.0206**, and if you desaturate by 10%, it is **36.4410, 47.1645, 67.5054**.

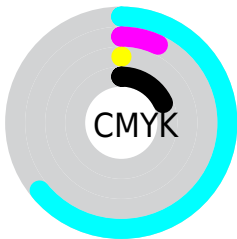
Distribution



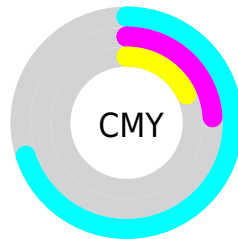
- Red (30%)
- Green (76%)
- Blue (82%)



- Red (30%)
- Yellow (55%)
- Blue (82%)



- Cyan (64%)
- Magenta (7%)
- Yellow (0%)
- Black (18%)



- Cyan (70%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0042, 45.1702, 67.2481 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 34.0042, 45.1702, 67.2481 by changing the saturation by 10% instead.

■ 34.0042, 45.1702,
67.2481

■ 34.0042, 45.1702,
67.2481

311.7364,
367.4624, 469.3529

■ 23.0597, 31.5915,
48.8234

■ 65.2844, 82.9758,
116.9199

■ 14.7586, 21.0497,
34.1148

■ 86.3509, 107.9714,
149.0040

■ 8.7353, 13.1603,
22.7037

■ 111.5221,
137.5415, 186.4784

■ 4.6247, 7.5390,
14.1717

■ 141.1634,
172.0704, 229.7616

■ 2.0612, 3.8014,
8.1000

175.6401,
211.9426, 279.2721

■ 0.6680, 1.5631,
4.0703

215.3176,

■ 0.0000, 0.3325,

257.5424, 335.4284

1.6640

260.5612,
309.2542, 398.6492

■ 0.0000, 0.0000,
0.3359

■ 0.0000, 0.0000,
0.0000

■ 34.0042, 45.1702,
67.2481

■ 34.0042, 45.1702,
67.2481

■ 32.1167, 43.4718,
67.0206

■ 36.4410, 47.1645,
67.5054

■ 30.7197, 42.0360,
66.8171

■ 39.4700, 49.4740,
67.7916

■ 29.7489, 40.8306,
66.6356

■ 43.1348, 52.1221,
68.1095

■ 29.2798, 40.1455,
66.5281

■ 47.4735, 55.1285,
68.4612

■ 52.5213, 58.5115,
68.8481

■ 58.3110, 62.2879,
69.2719

■ 64.8732, 66.4736,
69.7339

■ 72.2368, 71.0835,
70.2356

■ 76.9987, 74.3633,
70.6177

Harmonies

Analogous

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



32.7020, 45.1702, 49.4368



34.0042, 45.1702, 67.2481



37.6559, 45.1702, 82.6003

Triad

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



34.0042, 45.1702, 67.2481



53.4043, 45.1702, 66.7082



42.8444, 45.1702, 23.6237

Complementary

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



34.0042, 45.1702, 67.2481



31.2562, 21.3905, 9.3201

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.



48.6812, 45.1702, 26.2679



34.0042, 45.1702, 67.2481



55.1020, 45.1702, 48.9294

Square

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



34.0042, 45.1702, 67.2481



48.8482, 45.1702, 82.2424



53.3019, 45.1702, 34.6823



37.5155, 45.1702, 26.4353

Rectangle

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



34.0042, 45.1702, 67.2481



41.1067, 45.1702, 87.9652



53.3019, 45.1702, 34.6823



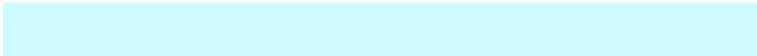
44.8124, 45.1702, 23.8958

Sweetspot

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



34.0056, 45.1719, 67.2492



77.8113, 88.7300, 107.6333



27.5979, 47.8647, 17.3030



16.1789, 18.6709, 23.0011



0.0000, 0.0000, 0.0000



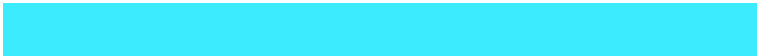
20.3446, 21.4041, 23.3091

Same Dimension

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



34.0056, 45.1719, 67.2492



49.5813, 67.4074, 105.0055



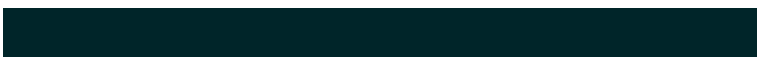
22.3670, 21.8947, 63.3697



12.0477, 13.1856, 15.1537



18.0959, 24.8385, 41.0330



1.0430, 1.4513, 2.3047

Inverse Universe

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



38.7304, 22.6656, 53.9652



57.8574, 30.5940, 81.1518



39.4551, 37.7884, 12.0531



12.2549, 11.9867, 14.6184



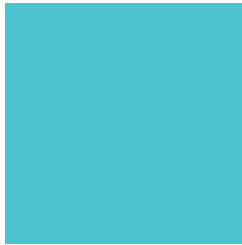
21.7647, 10.5787, 29.9969



1.2327, 0.5978, 1.7603

Previews

White Background



This preview shows how the XYZ color 34.0042, 45.1702, 67.2481 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 34.0042, 45.1702, 67.2481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

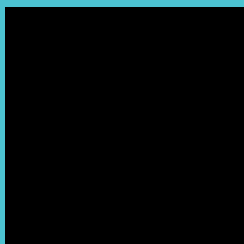
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

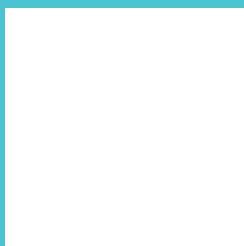
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.0042, 45.1702, 67.2481

Background



This preview shows how black text looks on a background with the XYZ color 34.0042, 45.1702, 67.2481.



This preview shows how white text looks on a background with the XYZ color 34.0042, 45.1702,

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

34.0042, 45.1702, 67.2481

Protanopia

43.4794, 44.5895, 59.1383

Deuteranopia

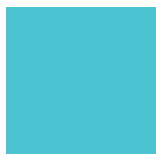
45.6337, 44.5921, 69.8203



Tritanopia

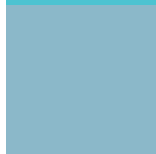
34.3335, 45.3111, 68.5644

Trichromacy



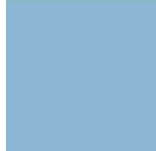
Original Color

34.0042, 45.1702, 67.2481



Protanomaly

38.3306, 43.9870, 61.7284



Deuteranomaly

39.5961, 43.8721, 68.6686



Tritanomaly

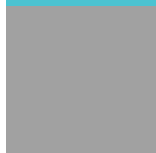
34.2085, 45.2611, 67.9061

Monochromacy



Original Color

34.0042, 45.1702, 67.2481



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

32.1854, 37.8473, 47.7284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0042, 45.1702, 67.2481 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(76, 195, 209)` looks like.

```
.text, #text, p{  
    color:rgb(76, 195, 209)  
}
```

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(76, 195, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 195, 209) }
```

Border

The CSS property to change the border of an element to XYZ 34.0042, 45.1702, 67.2481 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(76, 195, 209) }
```


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

```
.border{ border-color:rgb(76, 195, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 195, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 195, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 195, 209);  
box-shadow:4px 4px 4px 4px rgb(76, 195,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0042, 45.1702, 67.2481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 195, 209) }
```

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

```
.background{ background-color: rgb(76, 195,  
209) }
```

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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