

Converting Colors

XYZ(34.9952, 45.9087, 64.5110)

Have a look what the booklet for
XYZ(34.9952, 45.9087, 64.5110)
contains.

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Color

**XYZ(34.9482, 45.7133,
64.7392)**

Conversions

Conversions Part 1

Format	Color
Hex	5CC3CD
RGB	92, 195, 205
RGB Percent	36%, 76%, 80%
CMY	0.6392, 0.2353, 0.1961
CMYK	0.55, 0.05, 0.00, 0.20
HSL	185°, 53%, 58%
HSV	185°, 55%, 80%
XYZ	34.9482, 45.7133, 64.7392
YIQ	165.3430, -64.5980, -18.7260

Conversions

Conversions Part 2

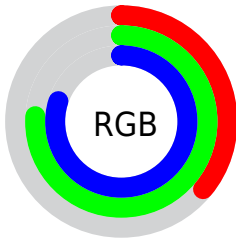
Format	Color
RYB	92, 146, 205
Decimal	6079437
CIELab	73.36, -26.96, -14.11
CIELCh	73, 30.432, 207.622
Yxy	45.7133, 0.2404, 0.3144
Android (android.graphics.Color)	4284269517 (0xFF5CC3CD)
YUV	165.3430, 19.5509, -64.3218
Hunter-Lab	67.6116, -26.0543, -9.4430

Details

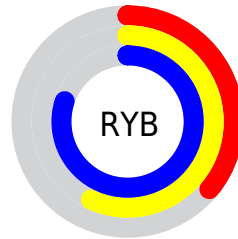
The XYZ color **34.9482, 45.7133, 64.7392** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.8610, 23.2556, 12.9360**, and the grayscale version is **35.8614, 37.7290, 41.0869**.

A 20% lighter version of the original color is **65.6229, 83.4201, 107.2507**, and **15.3245, 21.3943, 32.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.7672, 43.9902, 64.5224**, and if you desaturate by 10%, it is **37.6910, 47.7353, 64.9858**.

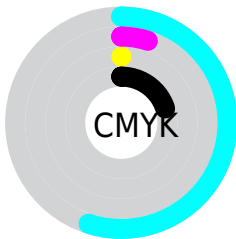
Distribution



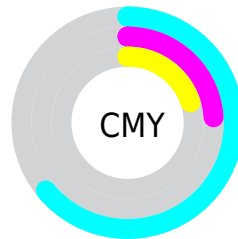
- Red (36%)
- Green (76%)
- Blue (80%)



- Red (36%)
- Yellow (57%)
- Blue (80%)



- Cyan (55%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)



- Cyan (64%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9482, 45.7133, 64.7392 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 34.9482, 45.7133, 64.7392 by changing the saturation by 10% instead.

■ 34.9482, 45.7133,
64.7392

■ 34.9482, 45.7133,
64.7392

315.8517,
369.6548, 460.1347

■ 23.7893, 32.0196,
46.7996

■ 66.7401, 83.7898,
113.2845

■ 15.3013, 21.3765,
32.5241

■ 88.1037, 108.9414,
144.7273

■ 9.1188, 13.3995,
21.4940

■ 113.5997,
138.6810, 181.5083

■ 4.8765, 7.7042,
13.2908

■ 143.5934,
173.3932, 224.0460

■ 2.2090, 3.9063,
7.4960

178.4500,
213.4623, 272.7590

■ 0.7475, 1.6213,
3.6911

218.5351,

■ 0.0000, 0.3719,

259.2727, 328.0657

1.4575

264.2138,
311.2087, 390.3848

■ 0.0000, 0.0000,
0.1859

■ 0.0000, 0.0000,
0.0000

■ 34.9482, 45.7133,
64.7392

■ 34.9482, 45.7133,
64.7392

■ 32.7672, 43.9902,
64.5224

■ 37.6910, 47.7353,
64.9858

■ 31.0979, 42.5373,
64.3299

■ 41.0320, 50.0721,
65.2607

■ 29.8885, 41.3287,
64.1604

■ 45.0097, 52.7444,
65.5669

■ 29.0741, 40.3310,
64.0107

■ 49.6578, 55.7698,
65.9058

■ 28.7607, 39.8900,
63.9421

■ 55.0081, 59.1646,
66.2791

■ 61.0899, 62.9439,
66.6881

■ 67.9310, 67.1222,
67.1340

■ 75.1865, 71.5216,
67.6007

■ 75.6355, 72.4197,
67.7504

Harmonies

Analogous

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



33.9503, 45.7133, 48.5603



34.9482, 45.7133, 64.7392



38.1643, 45.7133, 79.0692

Triad

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



34.9482, 45.7133, 64.7392



52.7399, 45.7133, 67.2978



43.8778, 45.7133, 25.7383

Complementary

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



34.9482, 45.7133, 64.7392



31.8610, 23.2556, 12.9360

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.



49.2006, 45.7133, 28.7892



34.9482, 45.7133, 64.7392



54.5725, 45.7133, 51.0078

Square

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



34.9482, 45.7133, 64.7392



48.4010, 45.7133, 80.7470



53.2276, 45.7133, 37.3134



38.8471, 45.7133, 27.9480

Rectangle

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



34.9482, 45.7133, 64.7392



41.2787, 45.7133, 84.4982



53.2276, 45.7133, 37.3134



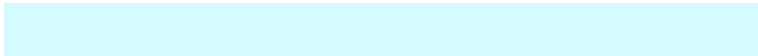
45.6943, 45.7133, 26.1659

Sweetspot

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



34.9496, 45.7150, 64.7403



79.6491, 90.2621, 107.8321



28.6155, 46.8868, 19.9625



16.7074, 19.0992, 23.0559



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.



34.9496, 45.7150, 64.7403



53.1445, 71.6158, 105.6300



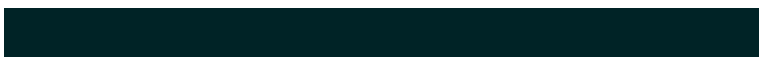
24.6791, 25.1739, 61.3168



11.4551, 12.5506, 14.3891



17.9401, 24.9042, 39.8177



0.9510, 1.3357, 2.0626

Inverse Universe

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



38.8555, 24.5749, 54.3271



60.3682, 34.3256, 85.9662



39.3224, 38.1785, 15.4232



11.6431, 11.3860, 13.9210



21.2663, 10.3171, 30.1844



1.1100, 0.5374, 1.6249

Previews

White Background



This preview shows how the XYZ color 34.9482, 45.7133, 64.7392 looks on a white background.

Color Contrast Check

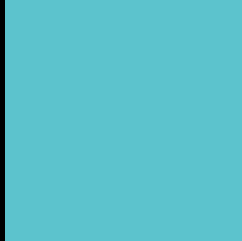
Large Text (above 18pt) WCAG AA × Fail

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 34.9482, 45.7133, 64.7392 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 34.9482, 45.7133, 64.7392

Background



This preview shows how black text looks on a background with the XYZ color 34.9482, 45.7133, 64.7392.

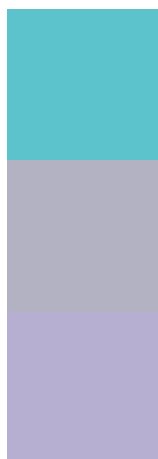


This preview shows how white text looks on a background with the XYZ color 34.9482, 45.7133,

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

34.9482, 45.7133, 64.7392

Protanopia

44.0181, 45.2008, 57.4436

Deuteranopia

46.1300, 45.2085, 66.6164



Tritanopia

35.5407, 45.6164, 67.9044

Trichromacy



Original Color

34.9482, 45.7133, 64.7392

Protanomaly

39.3662, 44.5612, 59.9524

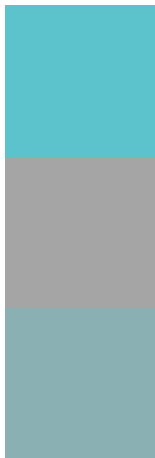
Deuteranomaly

40.5075, 44.3995, 66.1095

Tritanomaly

35.1912, 45.4648, 66.5953

Monochromacy



Original Color

34.9482, 45.7133, 64.7392

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.2448, 39.7492, 49.0475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9482, 45.7133, 64.7392 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(92, 195, 205)` looks like.

```
.text, #text, p{  
    color:rgb(92, 195, 205)  
}
```

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(92, 195, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 195, 205) }
```

Border

The CSS property to change the border of an element to XYZ 34.9482, 45.7133, 64.7392 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(92, 195, 205) }
```


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

```
.border{ border-color:rgb(92, 195, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 195, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 195, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 195, 205);  
box-shadow:4px 4px 4px 4px rgb(92, 195,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9482, 45.7133, 64.7392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 195, 205) }
```

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

```
.background{ background-color: rgb(92, 195,  
205) }
```

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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