

Converting Colors

XYZ(34.1372, 46.6947, 61.1756)

Have a look what the booklet for
XYZ(34.1372, 46.6947, 61.1756)
contains.

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Color

**XYZ(34.2119, 46.7642,
61.2561)**

Conversions

Conversions Part 1

Format	Color
Hex	52C7C7
RGB	82, 199, 199
RGB Percent	32%, 78%, 78%
CMY	0.6784, 0.2196, 0.2196
CMYK	0.59, 0.00, 0.00, 0.22
HSL	180°, 51%, 55%
HSV	180°, 59%, 78%
XYZ	34.2119, 46.7642, 61.2561
YIQ	164.0170, -69.7320, -24.8040

Conversions

Conversions Part 2

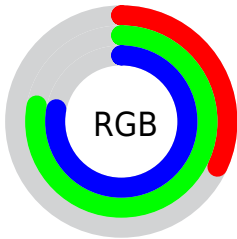
Format	Color
RYB	82, 141, 199
Decimal	5425095
CIELab	74.04, -32.43, -9.87
CIElCh	74, 33.893, 196.923
Yxy	46.7642, 0.2405, 0.3288
Android (android.graphics.Color)	4283615175 (0xFF52C7C7)
YUV	164.0170, 17.2466, -71.9289
Hunter-Lab	68.3844, -30.3711, -5.2407

Details

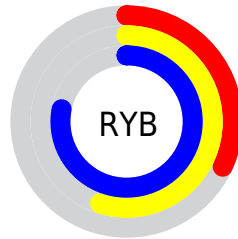
The XYZ color **34.2119, 46.7642, 61.2561** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.0950, 18.7873, 10.1297**, and the grayscale version is **35.2404, 37.0756, 40.3754**.

A 20% lighter version of the original color is **65.1377, 84.5796, 107.5001**, and **15.2362, 22.2951, 30.2884** is the 20% darker color. If you saturate the color by 10%, you get **32.7263, 45.9994, 61.1874**, and if you desaturate by 10%, it is **36.2020, 47.7912, 61.3505**.

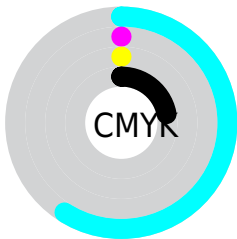
Distribution



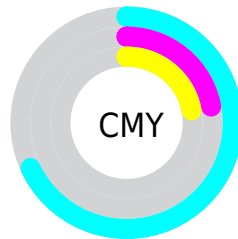
- Red (32%)
- Green (78%)
- Blue (78%)



- Red (32%)
- Yellow (55%)
- Blue (78%)



- Cyan (59%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)





- Cyan (68%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2119, 46.7642, 61.2561 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 34.2119, 46.7642, 61.2561 by changing the saturation by 10% instead.

 34.2119, 46.7642,
61.2561


 34.2119, 46.7642,
61.2561


312.6452,
373.8725, 447.1449


 23.2201, 32.8493,
44.0000


 65.6052, 85.3615,
108.2108


 14.8777, 22.0110,
30.3333


 86.7373, 110.8128,
138.7465

 8.8194, 13.8650,
19.8375


 111.9803,
140.8782, 174.5457

 4.6797, 8.0268,
12.0941

 141.6995,
175.9422, 216.0271

 2.0934, 4.1121,
6.6845

176.2602,
216.3893, 263.6092

 0.6856, 1.7365,
3.1901

216.0278,

 0.0000, 0.4471,

262.6038, 317.7105

1.1925

261.3677,
314.9701, 378.7496

■ 0.0000, 0.0000,
0.0000

■ 34.2119, 46.7642,
61.2561

■ 34.2119, 46.7642,
61.2561

■ 32.7263, 45.9994,
61.1874

■ 36.2020, 47.7912,
61.3505

■ 31.6963, 45.4684,
61.1391

■ 38.7319, 49.0954,
61.4690

■ 31.0707, 45.1459,
61.1096

■ 41.8383, 50.6968,
61.6146

■ 30.7631, 44.9873,
61.0950

■ 45.5539, 52.6122,
61.7886

■ 30.7330, 44.9718,
61.0936

■ 49.9086, 54.8572,
61.9926

■ 54.9305, 57.4461,
62.2278

■ 60.6460, 60.3925,
62.4955

■ 67.0802, 63.7095,
62.7968

■ 71.9734, 66.2320,
63.0259

Harmonies

Analogous

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



34.0423, 46.7642, 43.7387



34.2119, 46.7642, 61.2561



36.9594, 46.7642, 79.3704

Triad

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



34.2119, 46.7642, 61.2561



53.5082, 46.7642, 77.2620



47.1353, 46.7642, 24.8511

Complementary

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



34.2119, 46.7642, 61.2561



28.0950, 18.7873, 10.1297

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.



52.8853, 46.7642, 30.2360



34.2119, 46.7642, 61.2561



56.7835, 46.7642, 58.8434

Square

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



34.2119, 46.7642, 61.2561



47.9246, 46.7642, 89.9539



56.5457, 46.7642, 41.8143



41.1437, 46.7642, 25.2119

Rectangle

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



34.2119, 46.7642, 61.2561



40.0378, 46.7642, 88.1759



56.5457, 46.7642, 41.8143



49.1706, 46.7642, 25.9862

Sweetspot

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



34.2133, 46.7660, 61.2572



80.1327, 92.3099, 108.2013



25.5996, 43.3404, 15.0001



16.7124, 19.5317, 23.1390



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.



34.2133, 46.7660, 61.2572



56.6298, 80.1937, 107.0997



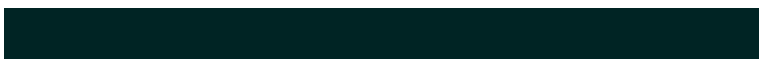
23.5301, 25.3993, 57.6971



10.9468, 12.0676, 13.6698



19.7613, 28.9169, 39.2832



0.9357, 1.3692, 1.8601

Inverse Universe

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



28.0950, 18.7873, 10.1297



44.9199, 26.6447, 9.2456



34.2455, 31.0883, 12.1795



10.6339, 10.6369, 11.0555



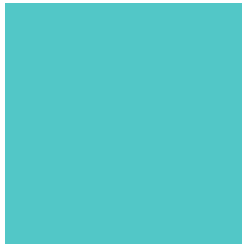
15.1453, 7.8077, 0.7089



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 34.2119, 46.7642, 61.2561 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 34.2119, 46.7642, 61.2561 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

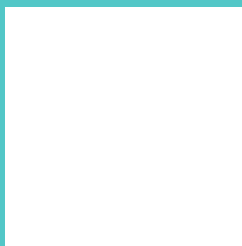
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.2119, 46.7642, 61.2561

Background



This preview shows how black text looks on a background with the XYZ color 34.2119, 46.7642, 61.2561.

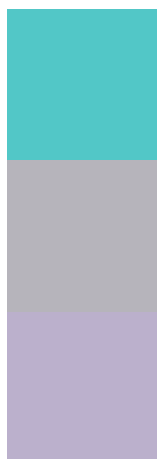


This preview shows how white text looks on a background with the XYZ color 34.2119, 46.7642,

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

34.2119, 46.7642, 61.2561

Protanopia

44.5823, 46.1755, 53.5767

Deuteranopia

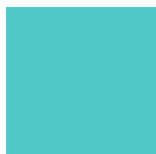
46.9179, 45.9751, 63.5280



Tritanopia

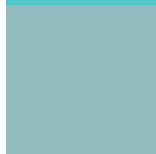
36.0010, 46.8113, 70.0888

Trichromacy



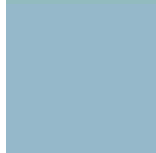
Original Color

34.2119, 46.7642, 61.2561



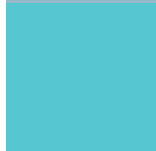
Protanomaly

39.0284, 45.4132, 55.9988



Deuteranomaly

40.1956, 44.9348, 62.4319



Tritanomaly

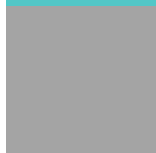
35.4170, 46.9207, 66.8644

Monochromacy



Original Color

34.2119, 46.7642, 61.2561



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.4895, 39.6869, 47.4902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2119, 46.7642, 61.2561 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(82, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(82, 199, 199)  
}
```

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(82, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 199, 199) }
```

Border

The CSS property to change the border of an element to XYZ 34.2119, 46.7642, 61.2561 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(82, 199, 199) }
```


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

```
.border{ border-color:rgb(82, 199, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 199, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 199, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 199, 199);  
box-shadow:4px 4px 4px 4px rgb(82, 199,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2119, 46.7642, 61.2561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 199, 199) }
```

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

```
.background{ background-color: rgb(82, 199,  
199) }
```

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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