

Converting Colors

XYZ(34.4814, 46.3159, 61.0300)

Have a look what the booklet for
XYZ(34.4814, 46.3159, 61.0300)
contains.

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Color

**XYZ(34.4915, 46.2297,
61.1382)**

Conversions

Conversions Part 1

Format	Color
Hex	5AC5C7
RGB	90, 197, 199
RGB Percent	35%, 77%, 78%
CMY	0.6470, 0.2274, 0.2196
CMYK	0.55, 0.01, 0.00, 0.22
HSL	181°, 49%, 57%
HSV	181°, 55%, 78%
XYZ	34.4915, 46.2297, 61.1382
YIQ	165.2350, -64.4140, -22.0620

Conversions

Conversions Part 2

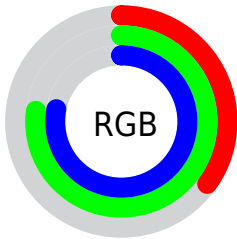
Format	Color
RYB	90, 144, 199
Decimal	5948871
CIELab	73.69, -29.98, -10.35
CIElCh	74, 31.713, 199.055
Yxy	46.2297, 0.2431, 0.3259
Android (android.graphics.Color)	4284138951 (0xFF5AC5C7)
YUV	165.2350, 16.6461, -65.9811
Hunter-Lab	67.9924, -28.4365, -5.7184

Details

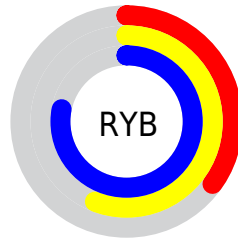
The XYZ color **34.4915, 46.2297, 61.1382** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.2267, 20.5354, 12.0973**, and the grayscale version is **35.8230, 37.6886, 41.0429**.

A 20% lighter version of the original color is **65.8862, 84.4932, 107.4440**, and **15.0585, 21.7538, 30.1933** is the 20% darker color. If you saturate the color by 10%, you get **32.7266, 45.1981, 61.0329**, and if you desaturate by 10%, it is **36.7775, 47.5324, 61.2700**.

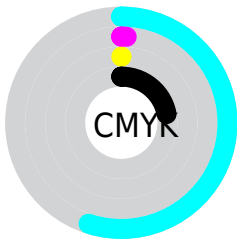
Distribution



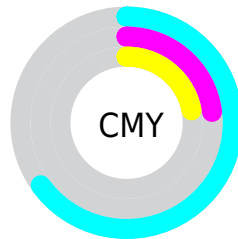
- Red (35%)
- Green (77%)
- Blue (78%)



- Red (35%)
- Yellow (56%)
- Blue (78%)



- Cyan (55%)
- Magenta (1%)
- Yellow (0%)
- Black (22%)



- Cyan (65%)
- Magenta (23%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4915, 46.2297, 61.1382 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 34.4915, 46.2297, 61.1382 by changing the saturation by 10% instead.

■ 34.4915, 46.2297,
61.1382

■ 34.4915, 46.2297,
61.1382

313.8656,
371.7314, 446.7011

■ 23.4361, 32.4271,
43.9054

■ 66.0365, 84.5627,
108.0385

■ 15.0383, 21.6879,
30.2595

■ 87.2568, 109.8618,
138.5431

■ 8.9328, 13.6278,
19.7819

■ 112.5961,
139.7620, 174.3087

■ 4.7541, 7.8622,
12.0541

■ 142.4199,
174.6475, 215.7539

■ 2.1370, 4.0069,
6.6576

177.0933,
214.9028, 263.2972

■ 0.7092, 1.6774,
3.1737

216.9818,

■ 0.0000, 0.4090,

260.9123, 317.3571

1.1840

262.4508,
313.0603, 378.3523

■ 0.0000, 0.0000,
0.0000

■ 34.4915, 46.2297,
61.1382

■ 34.4915, 46.2297,
61.1382

■ 32.7266, 45.1981,
61.0329

■ 36.7775, 47.5324,
61.2700

■ 31.4362, 44.4103,
60.9489

■ 39.6181, 49.1202,
61.4267

■ 30.5727, 43.8429,
60.8849

■ 43.0489, 51.0126,
61.6112

■ 30.0764, 43.4652,
60.8381

■ 47.1014, 53.2257,
61.8248

■ 29.9033, 43.3123,
60.8177

■ 51.8046, 55.7746,
62.0689

■ 57.1861, 58.6735,
62.3448

■ 63.2716, 61.9356,
62.6537

■ 70.0856, 65.5736,
62.9967

■ 72.2697, 66.8250,
63.1232

Harmonies

Analogous

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



34.1558, 46.2297, 44.6825



34.4915, 46.2297, 61.1382



37.2280, 46.2297, 77.5372

Triad

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



34.4915, 46.2297, 61.1382



52.6238, 46.2297, 73.4797



46.0251, 46.2297, 25.6430

Complementary

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



34.4915, 46.2297, 61.1382



29.2267, 20.5354, 12.0973

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.



51.4137, 46.2297, 30.3817



34.4915, 46.2297, 61.1382



55.4340, 46.2297, 56.4479

Square

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



34.4915, 46.2297, 61.1382



47.5654, 46.2297, 85.6468



54.9732, 46.2297, 40.8881



40.5035, 46.2297, 26.3729

Rectangle

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



34.4915, 46.2297, 61.1382



40.1869, 46.2297, 85.1498



54.9732, 46.2297, 40.8881



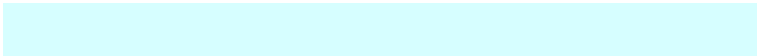
47.9197, 46.2297, 26.6006

Sweetspot

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



34.4929, 46.2315, 61.1393



81.3618, 92.5900, 108.1912



26.5647, 43.7910, 17.1368



17.0852, 19.6384, 23.1401



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.



34.4929, 46.2315, 61.1393



56.7361, 78.7990, 106.8272



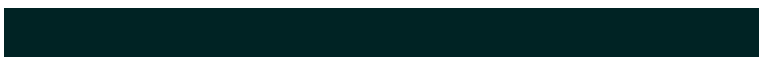
24.3014, 25.8485, 57.7421



10.9294, 12.0329, 13.6640



19.2357, 27.8654, 39.1091



0.9162, 1.3303, 1.8536

Inverse Universe

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



37.2886, 23.4868, 55.3934



62.1811, 35.0508, 95.5127



35.7275, 33.5371, 14.2642



11.0744, 10.8131, 13.3750



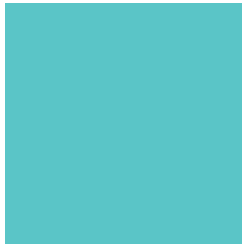
21.5086, 10.3530, 34.2179



1.0212, 0.4913, 1.6347

Previews

White Background



This preview shows how the XYZ color 34.4915, 46.2297, 61.1382 looks on a white background.

Color Contrast Check

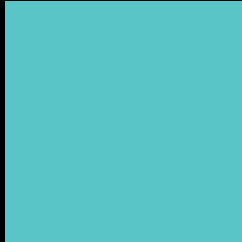
Large Text (above 18pt) WCAG AA × Fail

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 34.4915, 46.2297, 61.1382 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

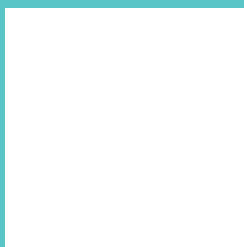
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.4915, 46.2297, 61.1382

Background



This preview shows how black text looks on a background with the XYZ color 34.4915, 46.2297, 61.1382.

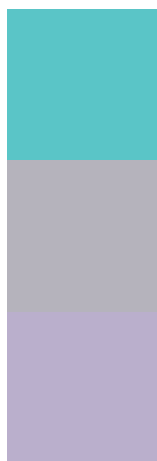


This preview shows how white text looks on a background with the XYZ color 34.4915, 46.2297,

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

34.4915, 46.2297, 61.1382

Protanopia

44.2533, 45.6948, 54.0645

Deuteranopia

46.4788, 45.4587, 63.4514



Tritanopia

35.9923, 46.1663, 68.6420

Trichromacy



Original Color

34.4915, 46.2297, 61.1382

Protanomaly

39.2861, 45.2195, 56.5268

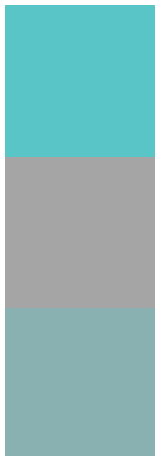
Deuteranomaly

40.3567, 44.7105, 62.3801

Tritanomaly

35.5166, 46.3120, 66.0987

Monochromacy



Original Color

34.4915, 46.2297, 61.1382

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.1392, 40.0219, 47.5206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4915, 46.2297, 61.1382 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(90, 197, 199)` looks like.

```
.text, #text, p{  
    color:rgb(90, 197, 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(90, 197, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 197, 199) }
```

Border

The CSS property to change the border of an element to XYZ 34.4915, 46.2297, 61.1382 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(90, 197, 199) }
```


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

```
.border{ border-color:rgb(90, 197, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 197, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 197, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 197, 199);  
box-shadow:4px 4px 4px 4px rgb(90, 197,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4915, 46.2297, 61.1382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 197, 199) }
```

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

```
.background{ background-color: rgb(90, 197,  
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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