

Converting Colors

XYZ(46.9486, 54.0619, 69.8617)

Have a look what the booklet for
XYZ(46.9486, 54.0619, 69.8617)
contains.

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Color

**XYZ(46.9790, 54.2133,
69.6162)**

Conversions

Conversions Part 1

Format	Color
Hex	9ECAD3
RGB	158, 202, 211
RGB Percent	62%, 79%, 83%
CMY	0.3804, 0.2078, 0.1725
CMYK	0.25, 0.04, 0.00, 0.17
HSL	190°, 38%, 72%
HSV	190°, 25%, 83%
XYZ	46.9790, 54.2133, 69.6162
YIQ	189.8700, -29.1130, -6.5290

Conversions

Conversions Part 2

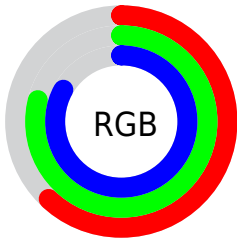
Format	Color
RYB	158, 182, 211
Decimal	10406611
CIELab	78.59, -12.37, -9.22
CIELCh	79, 15.427, 216.697
Yxy	54.2133, 0.2750, 0.3174
Android (android.graphics.Color)	4288596691 (0xFF9ECAD3)
YUV	189.8700, 10.4171, -27.9500
Hunter-Lab	73.6297, -14.9610, -4.5174

Details

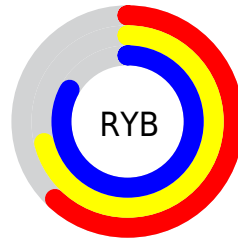
The XYZ color **46.9790, 54.2133, 69.6162** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.8550, 43.9554, 38.3638**, and the grayscale version is **48.8240, 51.3667, 55.9383**.

A 20% lighter version of the original color is **81.5416, 93.0361, 108.2678**, and **22.5014, 26.6174, 35.8500** is the 20% darker color. If you saturate the color by 10%, you get **42.3493, 50.5946, 69.1626**, and if you desaturate by 10%, it is **52.3441, 58.2428, 70.1121**.

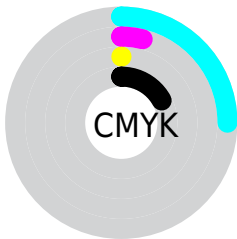
Distribution



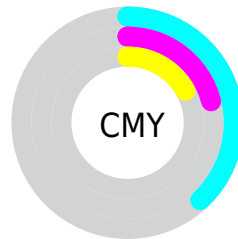
- Red (62%)
- Green (79%)
- Blue (83%)



- Red (62%)
- Yellow (71%)
- Blue (83%)



- Cyan (25%)
- Magenta (4%)
- Yellow (0%)
- Black (17%)



- Cyan (38%)
- Magenta (21%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9790, 54.2133, 69.6162 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 46.9790, 54.2133, 69.6162 by changing the saturation by 10% instead.

■ 46.9790, 54.2133,
69.6162

■ 46.9790, 54.2133,
69.6162

365.3810,
402.9229, 477.9539

■ 33.2269, 38.7722,
50.7388

■ 84.9012, 96.3874,
120.3372

■ 22.4604, 26.5826,
35.6255

■ 109.8021,
123.8891, 153.0180

■ 14.3141, 17.2600,
23.8577

139.1499,
156.1799, 191.1370

■ 8.4226, 10.4200,
15.0169

173.3100,
193.6441, 235.1127

■ 4.4206, 5.6783,
8.6845

212.6479,
236.6661, 285.3637

■ 1.9427, 2.6505,
4.4420

257.5287,

■ 0.6015, 0.9521,

285.6303, 342.3086

1.8708

308.3180,
340.9211, 406.3658

■ 0.0000, 0.0000,
0.4741

■ 0.0000, 0.0000,
0.0000

■ 46.9790, 54.2133,
69.6162

■ 46.9790, 54.2133,
69.6162

■ 42.3493, 50.5946,
69.1626

■ 52.3441, 58.2428,
70.1121

■ 38.4135, 47.3611,
68.7459

■ 58.4735, 62.6941,
70.6482

■ 35.1335, 44.4942,
68.3654

■ 65.4008, 67.5860,
71.2274

■ 32.4655, 41.9712,
68.0191

■ 73.1558, 72.9342,
71.8509

■ 30.3600, 39.7663,
67.7045

■ 78.5689, 77.1048,
72.3706

■ 28.7599, 37.8500,
67.4189

■ 79.5187, 79.0045,
72.6872

■ 27.5951, 36.1858,
67.1591

■ 80.4887, 80.9446,
73.0106

■ 27.1230, 35.4332,
67.0387

■ 81.4792, 82.9255,
73.3408

■ 82.4902, 84.9475,
73.6777

Harmonies

Analogous

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



45.9344, 54.2133, 61.0043



46.9790, 54.2133, 69.6162



49.2487, 54.2133, 75.7897

Triad

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



46.9790, 54.2133, 69.6162



57.0891, 54.2133, 65.9071



50.8490, 54.2133, 43.9057

Complementary

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



46.9790, 54.2133, 69.6162



46.8550, 43.9554, 38.3638

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.



53.8769, 54.2133, 44.9418



46.9790, 54.2133, 69.6162



57.5585, 54.2133, 57.0970

Square

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



46.9790, 54.2133, 69.6162



55.1032, 54.2133, 73.5053



56.3618, 54.2133, 49.5737



48.1112, 54.2133, 46.5904

Rectangle

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



46.9790, 54.2133, 69.6162



51.1918, 54.2133, 77.3821



56.3618, 54.2133, 49.5737



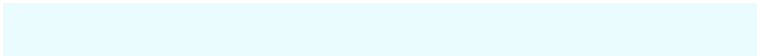
51.8659, 54.2133, 43.8348

Sweetspot

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



46.9806, 54.2155, 69.6174



86.8441, 94.1443, 108.2022



44.3556, 56.6426, 45.0751



18.2770, 19.9256, 23.1327



0.0000, 0.0000, 0.0000



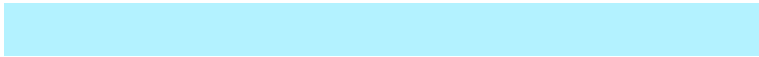
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9806, 54.2155, 69.6174



68.2809, 80.2560, 106.4999



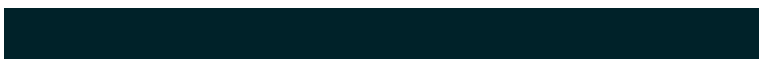
41.3197, 42.8937, 67.7305



11.9805, 13.0512, 15.1314



16.4342, 21.5151, 40.4791



0.9652, 1.2955, 2.2788

Inverse Universe

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



49.7529, 42.5683, 61.4738



73.2890, 59.7117, 91.6771



52.1803, 54.6061, 40.1389



12.2210, 11.9732, 14.4398



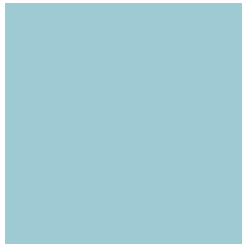
20.9260, 10.2432, 25.5801



1.1934, 0.5821, 1.5533

Previews

White Background



This preview shows how the XYZ color 46.9790, 54.2133, 69.6162 looks on a white background.

Color Contrast Check

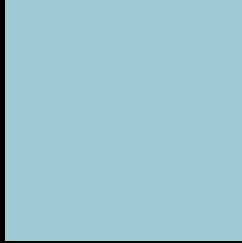
Large Text (above 18pt) WCAG AA × Fail

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 46.9790, 54.2133, 69.6162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

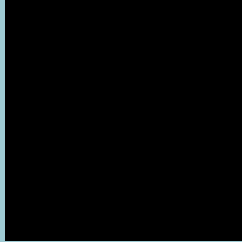
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9790, 54.2133, 69.6162

Background



This preview shows how black text looks on a background with the XYZ color 46.9790, 54.2133, 69.6162.



This preview shows how white text looks on a background with the XYZ color 46.9790, 54.2133,

69.6162.

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

46.9790, 54.2133, 69.6162

Protanopia

52.3375, 54.0170, 65.4255

Deuteranopia

55.2370, 54.0876, 71.1470



Tritanopia

47.7091, 54.1540, 73.5839

Trichromacy



Original Color

46.9790, 54.2133, 69.6162

Protanomaly

50.0585, 53.8086, 66.7792

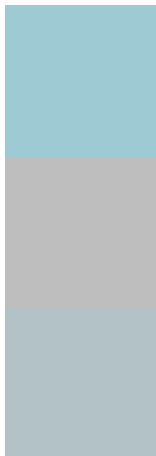
Deuteranomaly

51.7955, 53.9525, 70.6347

Tritanomaly

47.4505, 54.0505, 72.2219

Monochromacy



Original Color

46.9790, 54.2133, 69.6162

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.8449, 52.1258, 60.9657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9790, 54.2133, 69.6162 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(158, 202, 211)` looks like.

```
.text, #text, p{  
    color:rgb(158, 202, 211)  
}
```

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(158, 202, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 202, 211) }
```

Border

The CSS property to change the border of an element to XYZ 46.9790, 54.2133, 69.6162 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(158, 202, 211) }
```


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

```
.border{ border-color:rgb(158, 202, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 202, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 202, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 202, 211);  
box-shadow:4px 4px 4px 4px rgb(158, 202,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9790, 54.2133, 69.6162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 202, 211) }
```

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

```
.background{ background-color: rgb(158,  
202, 211) }
```

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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