

Converting Colors

XYZ(46.2832, 52.7210, 63.6715)

Have a look what the booklet for
XYZ(46.2832, 52.7210, 63.6715)
contains.

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Color

**XYZ(46.1646, 52.5449,
63.5862)**

Conversions

Conversions Part 1

Format	Color
Hex	A4C6CA
RGB	164, 198, 202
RGB Percent	64%, 78%, 79%
CMY	0.3569, 0.2235, 0.2078
CMYK	0.19, 0.02, 0.00, 0.21
HSL	186°, 26%, 72%
HSV	186°, 19%, 79%
XYZ	46.1646, 52.5449, 63.5862
YIQ	188.2900, -21.5480, -5.9640

Conversions

Conversions Part 2

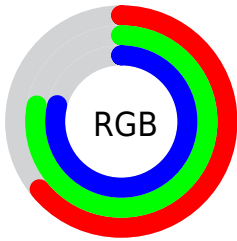
Format	Color
RYB	164, 182, 202
Decimal	10798794
CIELab	77.61, -10.44, -5.78
CIELCh	78, 11.936, 208.983
Yxy	52.5449, 0.2844, 0.3238
Android (android.graphics.Color)	4288988874 (0xFFA4C6CA)
YUV	188.2900, 6.7590, -21.3023
Hunter-Lab	72.4879, -13.1743, -1.2676

Details

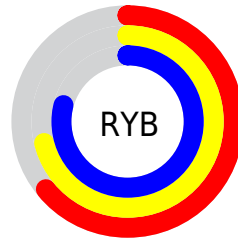
The XYZ color **46.1646, 52.5449, 63.5862** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.0611, 43.2423, 41.0947**, and the grayscale version is **47.9376, 50.4340, 54.9227**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **21.8741, 25.4641, 31.7792** is the 20% darker color. If you saturate the color by 10%, you get **41.8405, 49.6011, 63.2467**, and if you desaturate by 10%, it is **51.1607, 55.8480, 63.9613**.

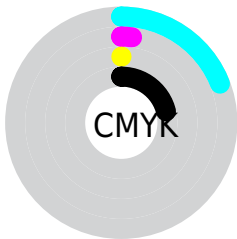
Distribution



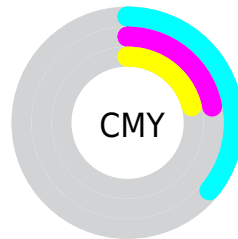
- Red (64%)
- Green (78%)
- Blue (79%)



- Red (64%)
- Yellow (71%)
- Blue (79%)



- Cyan (19%)
- Magenta (2%)
- Yellow (0%)
- Black (21%)



- Cyan (36%)
- Magenta (22%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1646, 52.5449, 63.5862 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 46.1646, 52.5449, 63.5862 by changing the saturation by 10% instead.

■ 46.1646, 52.5449,
63.5862

■ 46.1646, 52.5449,
63.5862

362.1749,
396.5366, 455.8602

■ 32.5809, 37.4396,
45.8716

■ 83.6916, 93.9344,
111.6085

■ 21.9633, 25.5480,
31.7965

■ 108.3657,
120.9873, 142.7533

■ 13.9464, 16.4858,
20.9426

137.4672,
152.7916, 179.2118

■ 8.1648, 9.8686,
12.8912

171.3616,
189.7315, 221.4027

■ 4.2533, 5.3119,
7.2238

210.4142,
232.1916, 269.7444

■ 1.8464, 2.4314,
3.5219

254.9904,

■ 0.5454, 0.8420,

280.5563, 324.6555

1.3669

305.4555,
335.2098, 386.5546

■ 0.0000, 0.0000,
0.1157

■ 0.0000, 0.0000,
0.0000

■ 46.1646, 52.5449,
63.5862

■ 46.1646, 52.5449,
63.5862

■ 41.8405, 49.6011,
63.2467

■ 51.1607, 55.8480,
63.9613

■ 38.1527, 46.9939,
62.9379

■ 56.8534, 59.5190,
64.3698

■ 35.0688, 44.7082,
62.6592

■ 63.2715, 63.5743,
64.8143

■ 32.5521, 42.7248,
62.4090

■ 70.4411, 68.0271,
65.2959

■ 30.5616, 41.0227,
62.1854

■ 74.6104, 70.9435,
65.6391

■ 29.0509, 39.5778,
61.9861

■ 75.1341, 71.9908,
65.8136

■ 27.9652, 38.3619,
61.8087

■ 75.6647, 73.0521,
65.9905

■ 27.2155, 37.3290,
61.6488

■ 76.2024, 74.1274,
66.1697

■ 27.1341, 37.2109,
61.6303

■ 76.7470, 75.2167,
66.3513

Harmonies

Analogous

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



45.6405, 52.5449, 56.9874



46.1646, 52.5449, 63.5862



47.6930, 52.5449, 68.7952

Triad

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



46.1646, 52.5449, 63.5862



53.8380, 52.5449, 64.0060



50.0211, 52.5449, 45.4361

Complementary

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



46.1646, 52.5449, 63.5862



45.0611, 43.2423, 41.0947

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.



52.2613, 52.5449, 47.0087



46.1646, 52.5449, 63.5862



54.5063, 52.5449, 57.4381

Square

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



46.1646, 52.5449, 63.5862



52.1209, 52.5449, 69.0504



53.9208, 52.5449, 51.2796



47.8253, 52.5449, 46.8113

Rectangle

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



46.1646, 52.5449, 63.5862



49.1001, 52.5449, 70.5987



53.9208, 52.5449, 51.2796



50.7942, 52.5449, 45.6353

Sweetspot

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



46.1661, 52.5471, 63.5874



89.1321, 96.1901, 108.4765



43.4806, 52.9543, 44.8788



18.9458, 20.5029, 23.2089



0.0000, 0.0000, 0.0000



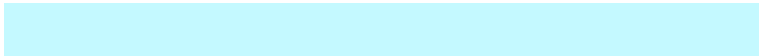
20.3446, 21.4041, 23.3091

Same Dimension

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



46.1661, 52.5471, 63.5874



74.7293, 86.6491, 107.3940



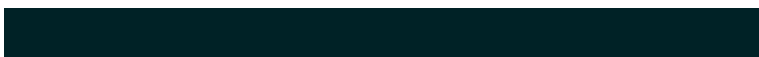
42.1318, 44.4783, 62.2426



11.4385, 12.5175, 14.3836



17.4991, 24.0222, 39.6707



0.9324, 1.2986, 2.0564

Inverse Universe

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



47.8269, 43.1859, 59.2434



78.1314, 67.7269, 98.4382



48.7868, 50.6938, 42.3366



11.6347, 11.3826, 13.8770



21.0437, 10.2280, 29.0122



1.1006, 0.5336, 1.5755

Previews

White Background



This preview shows how the XYZ color 46.1646, 52.5449, 63.5862 looks on a white background.

Color Contrast Check

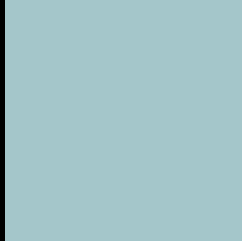
Large Text (above 18pt) WCAG AA × Fail

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 46.1646, 52.5449, 63.5862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

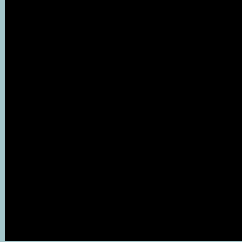
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1646, 52.5449, 63.5862

Background



This preview shows how black text looks on a background with the XYZ color 46.1646, 52.5449, 63.5862.



This preview shows how white text looks on a background with the XYZ color 46.1646, 52.5449,

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

46.1646, 52.5449, 63.5862

Protanopia

50.4838, 52.1956, 60.2373

Deuteranopia

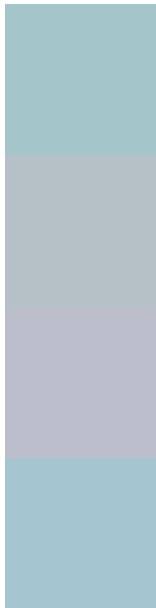
53.3598, 52.3148, 64.4121



Tritanopia

47.3495, 52.3403, 69.8945

Trichromacy



Original Color

46.1646, 52.5449, 63.5862

Protanomaly

48.6702, 52.2085, 61.5449

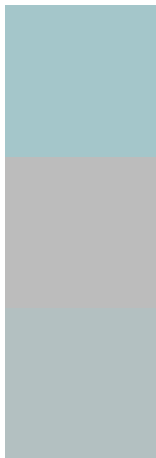
Deuteranomaly

50.1792, 51.9575, 63.8840

Tritanomaly

46.8685, 52.4859, 67.3351

Monochromacy



Original Color

46.1646, 52.5449, 63.5862

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.0657, 51.1332, 57.8412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1646, 52.5449, 63.5862 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(164, 198, 202)` looks like.

```
.text, #text, p{  
    color:rgb(164, 198, 202)  
}
```

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(164, 198, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 198, 202) }
```

Border

The CSS property to change the border of an element to XYZ 46.1646, 52.5449, 63.5862 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(164, 198, 202) }
```


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

```
.border{ border-color:rgb(164, 198, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 198, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 198, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 198, 202);  
box-shadow:4px 4px 4px 4px rgb(164, 198,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1646, 52.5449, 63.5862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 198, 202) }
```

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

```
.background{ background-color: rgb(164,  
198, 202) }
```

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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