

Converting Colors

XYZ(44.6689, 49.5211, 62.3795)

Have a look what the booklet for
XYZ(44.6689, 49.5211, 62.3795)
contains.

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Color

**XYZ(44.6905, 49.4780,
62.4531)**

Conversions

Conversions Part 1

Format	Color
Hex	A5BFC9
RGB	165, 191, 201
RGB Percent	65%, 75%, 79%
CMY	0.3529, 0.2510, 0.2118
CMYK	0.18, 0.05, 0.00, 0.21
HSL	197°, 25%, 72%
HSV	197°, 18%, 79%
XYZ	44.6905, 49.4780, 62.4531
YIQ	184.3660, -18.7060, -2.4020

Conversions

Conversions Part 2

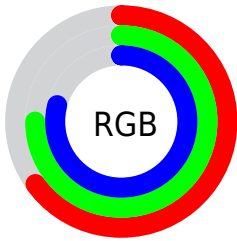
Format	Color
R _Y B	165, 180, 201
Decimal	10862537
CIE Lab	75.75, -6.66, -7.99
CIE LCh	76, 10.401, 230.170
Yxy	49.4780, 0.2853, 0.3159
Android (android.graphics.Color)	4289052617 (0xFFA5BFC9)
YUV	184.3660, 8.2006, -16.9840
Hunter-Lab	70.3406, -9.6871, -3.4032

Details

The XYZ color **44.6905, 49.4780, 62.4531** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.2093, 45.7941, 42.0020**, and the grayscale version is **45.7270, 48.1083, 52.3900**.

A 20% lighter version of the original color is **80.8260, 88.9572, 107.5182**, and **21.1650, 23.7943, 31.0810** is the 20% darker color. If you saturate the color by 10%, you get **39.6400, 45.1027, 61.8756**, and if you desaturate by 10%, it is **50.4474, 54.2889, 63.0791**.

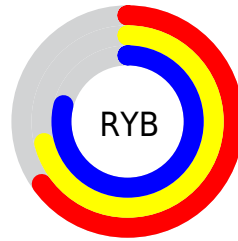
Distribution



Red (65%)

Green (75%)

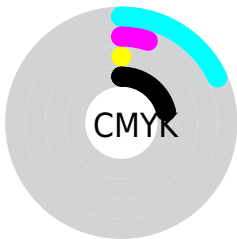
Blue (79%)



Red (65%)

Yellow (71%)

Blue (79%)

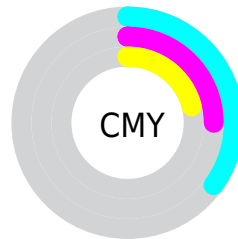


Cyan (18%)

Magenta (5%)

Yellow (0%)

Black (21%)



Cyan (35%)

Magenta (25%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6905, 49.4780, 62.4531 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 44.6905, 49.4780, 62.4531 by changing the saturation by 10% instead.

■ 44.6905, 49.4780,
62.4531

■ 44.6905, 49.4780,
62.4531

356.3234,
384.6211, 451.6351

■ 31.4140, 34.9988,
44.9608

■ 81.4957, 89.4010,
109.9581

■ 21.0676, 23.6620,
31.0838

■ 105.7551,
115.6136, 140.8078

■ 13.2862, 15.0831,
20.4037

134.4061,
146.5060, 176.9470

■ 7.7043, 8.8777,
12.5018

167.8141,
182.4628, 218.7943

■ 3.9565, 4.6615,
6.9597

206.3445,
223.8684, 266.7682

■ 1.6776, 2.0500,
3.3589

250.3626,

■ 0.4422, 0.6363,

271.1070, 321.2873

1.2807

300.2338,
324.5631, 382.7701

■ 0.0000, 0.0000,
0.0459

■ 0.0000, 0.0000,
0.0000

■ 44.6905, 49.4780,
62.4531

■ 44.6905, 49.4780,
62.4531

■ 39.6400, 45.1027,
61.8756

■ 50.4474, 54.2889,
63.0791

■ 35.2603, 41.1402,
61.3416

■ 56.9355, 59.5450,
63.7516

■ 31.5195, 37.5743,
60.8504

■ 64.1835, 65.2633,
64.4734

■ 28.3808, 34.3854,
60.4003

■ 72.2175, 71.4578,
65.2456

■ 25.8038, 31.5518,
59.9892

■ 77.0918, 76.0953,
65.8838

■ 23.7426, 29.0491,
59.6148

■ 78.5719, 79.0554,
66.3772

■ 22.1436, 26.8488,
59.2744

■ 80.1013, 82.1141,
66.8869

■ 20.9280, 24.9095,
58.9641

■ 81.6804, 85.2723,
67.4133

■ 20.6959, 24.5234,
58.9018

■ 83.3097, 88.5310,
67.9564

Harmonies

Analogous

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



43.6296, 49.4780, 57.6211



44.6905, 49.4780, 62.4531



46.3967, 49.4780, 65.0370

Triad

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



44.6905, 49.4780, 62.4531



50.7791, 49.4780, 55.7078



45.7595, 49.4780, 44.5010

Complementary

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



44.6905, 49.4780, 62.4531



46.2093, 45.7941, 42.0020

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.



47.6637, 49.4780, 44.0660



44.6905, 49.4780, 62.4531



50.5971, 49.4780, 50.2913

Square

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



44.6905, 49.4780, 62.4531



49.9349, 49.4780, 60.9704



49.4443, 49.4780, 46.1173



44.2350, 49.4780, 47.3492

Rectangle

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



44.6905, 49.4780, 62.4531



47.6856, 49.4780, 65.0246



49.4443, 49.4780, 46.1173



46.3752, 49.4780, 44.0756

Sweetspot

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



44.6920, 49.4800, 62.4542



89.3946, 95.4231, 108.3146



44.1033, 52.8530, 48.2299



18.9696, 20.2902, 23.1665



0.0000, 0.0000, 0.0000



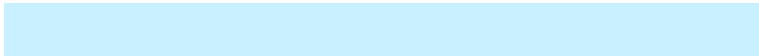
20.3446, 21.4041, 23.3091

Same Dimension

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



44.6920, 49.4800, 62.4542



73.4565, 82.0959, 106.5823



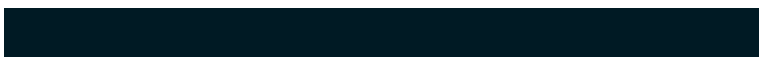
41.0811, 42.2582, 61.2506



10.6881, 11.5503, 13.5836



13.0929, 15.5796, 37.0615



0.6785, 0.8549, 1.7744

Inverse Universe

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



46.9477, 43.0905, 55.1354



77.9790, 69.5423, 91.8514



49.8615, 53.0983, 43.2194



10.9526, 10.7644, 12.7337



18.4080, 9.1128, 17.8903



0.9012, 0.4433, 1.0028

Previews

White Background



This preview shows how the XYZ color 44.6905, 49.4780, 62.4531 looks on a white background.

Color Contrast Check

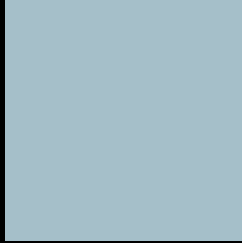
Large Text (above 18pt) WCAG AA × Fail

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 44.6905, 49.4780, 62.4531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

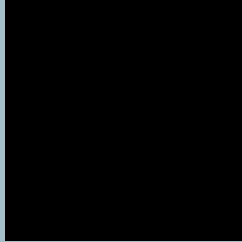
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.6905, 49.4780, 62.4531

Background



This preview shows how black text looks on a background with the XYZ color 44.6905, 49.4780, 62.4531.



This preview shows how white text looks on a background with the XYZ color 44.6905, 49.4780,

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

44.6905, 49.4780, 62.4531

Protanopia

47.6767, 49.1682, 59.8009

Deuteranopia

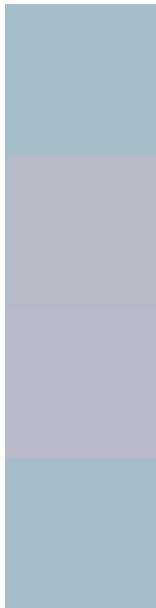
50.3293, 49.2299, 63.3496



Tritanopia

45.1588, 49.3417, 64.9014

Trichromacy



Original Color

44.6905, 49.4780, 62.4531

Protanomaly

46.3235, 49.0828, 60.4585

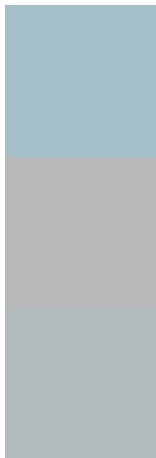
Deuteranomaly

48.0172, 49.2765, 62.8576

Tritanomaly

45.0384, 49.2935, 64.2676

Monochromacy



Original Color

44.6905, 49.4780, 62.4531

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.1960, 48.6055, 55.7149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6905, 49.4780, 62.4531 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(165, 191, 201)` looks like.

```
.text, #text, p{  
    color:rgb(165, 191, 201)  
}
```

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(165, 191, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 191, 201) }
```

Border

The CSS property to change the border of an element to XYZ 44.6905, 49.4780, 62.4531 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(165, 191, 201) }
```


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

```
.border{ border-color:rgb(165, 191, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 191, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 191, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 191, 201);  
box-shadow:4px 4px 4px 4px rgb(165, 191,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6905, 49.4780, 62.4531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 191, 201) }
```

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

```
.background{ background-color: rgb(165,  
191, 201) }
```

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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