

Converting Colors

XYZ(49.6501, 53.8576, 69.5410)

Have a look what the booklet for
XYZ(49.6501, 53.8576, 69.5410)
contains.

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Color

**XYZ(49.6286, 53.8658,
69.4094)**

Conversions

Conversions Part 1

Format	Color
Hex	B0C5D3
RGB	176, 197, 211
RGB Percent	69%, 77%, 83%
CMY	0.3098, 0.2274, 0.1725
CMYK	0.17, 0.07, 0.00, 0.17
HSL	204°, 28%, 76%
HSV	204°, 17%, 83%
XYZ	49.6286, 53.8658, 69.4094
YIQ	192.3170, -17.0100, -0.0980

Conversions

Conversions Part 2

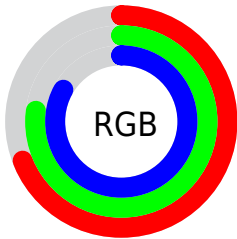
Format	Color
R_{YB}	176, 189, 211
Decimal	11584979
CIE Lab	78.38, -4.20, -9.40
CIE LCh	78, 10.293, 245.920
Yxy	53.8658, 0.2870, 0.3115
Android (android.graphics.Color)	4289775059 (0xFFB0C5D3)
YUV	192.3170, 9.2107, -14.3100
Hunter-Lab	73.3933, -7.7365, -4.6963

Details

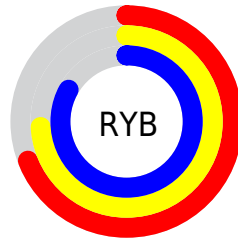
The XYZ color **49.6286, 53.8658, 69.4094** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.1142, 53.8101, 48.6623**, and the grayscale version is **50.2444, 52.8610, 57.5656**.

A 20% lighter version of the original color is **86.7705, 95.2594, 108.4214**, and **23.9916, 26.2562, 35.2559** is the 20% darker color. If you saturate the color by 10%, you get **43.3611, 47.8708, 68.5834**, and if you desaturate by 10%, it is **56.7481, 60.4620, 70.3082**.

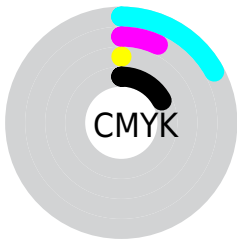
Distribution



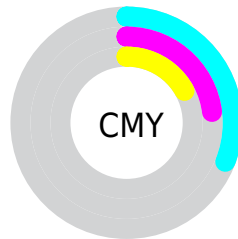
- Red (69%)
- Green (77%)
- Blue (83%)



- Red (69%)
- Yellow (74%)
- Blue (83%)



- Cyan (17%)
- Magenta (7%)
- Yellow (0%)
- Black (17%)



- Cyan (31%)
- Magenta (23%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6286, 53.8658, 69.4094 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 49.6286, 53.8658, 69.4094 by changing the saturation by 10% instead.

■ 49.6286, 53.8658,
69.4094

■ 49.6286, 53.8658,
69.4094

375.6878,
401.5981, 477.2066

■ 35.3350, 38.4944,
50.5714

■ 88.8195, 95.8772,
120.0393

■ 24.0887, 26.3666,
35.4932

114.4474,
123.2859, 152.6683

■ 15.5246, 17.0981,
23.7565

144.5842,
155.4759, 190.7314

■ 9.2771, 10.3045,
14.9426

179.5951,
192.8315, 234.6470

■ 4.9809, 5.6013,
8.6329

219.8456,
235.7371, 284.8338

■ 2.2707, 2.6042,
4.4090

265.7010,

■ 0.7796, 0.9288,

284.5772, 341.7103

1.8523

317.5266,
339.7360, 405.6951

■ 0.0000, 0.0000,
0.4621

■ 0.0000, 0.0000,
0.0000

■ 49.6286, 53.8658,
69.4094

■ 49.6286, 53.8658,
69.4094

■ 43.3611, 47.8708,
68.5834

■ 56.7481, 60.4620,
70.3082

■ 37.9050, 42.4494,
67.8246

■ 64.7484, 67.6728,
71.2784

■ 33.2232, 37.5811,
67.1317

■ 73.6630, 75.5189,
72.3230

■ 29.2738, 33.2417,
66.5022

■ 81.5062, 82.9795,
73.3496

■ 26.0103, 29.4044,
65.9336

■ 83.9219, 87.8110,
74.1549

■ 23.3808, 26.0396,
65.4227

■ 86.4531, 92.8734,
74.9986

■ 21.3245, 23.1130,
64.9662

■ 88.7580, 97.4832,
75.7669

■ 19.7641, 20.5816,
64.5598

■ 19.2981, 19.7835,
64.4303

Harmonies

Analogous

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



48.1148, 53.8658, 65.4249



49.6286, 53.8658, 69.4094



51.5997, 53.8658, 70.4316

Triad

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



49.6286, 53.8658, 69.4094



55.1612, 53.8658, 57.5103



48.9518, 53.8658, 50.0916

Complementary

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



49.6286, 53.8658, 69.4094



53.1142, 53.8101, 48.6623

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.



50.7981, 53.8658, 48.2627



49.6286, 53.8658, 69.4094



54.4098, 53.8658, 52.3610

Square

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



49.6286, 53.8658, 69.4094



54.8282, 53.8658, 63.3098



52.7998, 53.8658, 49.0655



47.7313, 53.8658, 54.2260

Rectangle

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



49.6286, 53.8658, 69.4094



52.9153, 53.8658, 69.2406



52.7998, 53.8658, 49.0655



49.5179, 53.8658, 49.1997

Sweetspot

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



49.6302, 53.8680, 69.4106



88.9087, 94.4512, 108.1527



50.4303, 59.5118, 57.2115



18.8514, 20.0537, 23.1271



0.0000, 0.0000, 0.0000



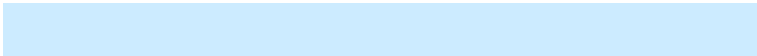
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6302, 53.8680, 69.4106



72.5470, 79.2476, 106.0804



46.0014, 46.6105, 68.2010



11.7452, 12.5807, 15.0529



11.7489, 12.1445, 38.9174



0.7334, 0.8321, 2.2015

Inverse Universe

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



52.4686, 48.9319, 59.5054



77.7711, 70.4210, 87.7914



56.9939, 61.5696, 49.9555



12.1023, 11.9257, 13.8144



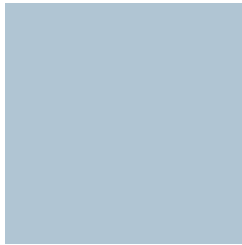
18.5611, 9.2973, 13.1266



1.0764, 0.5353, 0.9373

Previews

White Background



This preview shows how the XYZ color 49.6286, 53.8658, 69.4094 looks on a white background.

Color Contrast Check

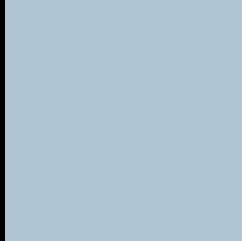
Large Text (above 18pt) WCAG AA × Fail

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 49.6286, 53.8658, 69.4094 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

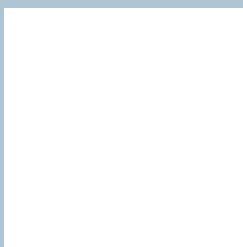
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6286, 53.8658, 69.4094

Background



This preview shows how black text looks on a background with the XYZ color 49.6286, 53.8658, 69.4094.



This preview shows how white text looks on a background with the XYZ color 49.6286, 53.8658,

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

49.6286, 53.8658, 69.4094

Protanopia

52.2271, 53.5908, 67.2659

Deuteranopia

54.8953, 53.6079, 70.4049



Tritanopia

49.7544, 53.9161, 70.0719

Trichromacy



Original Color

49.6286, 53.8658, 69.4094

Protanomaly

51.2939, 53.7518, 67.9933

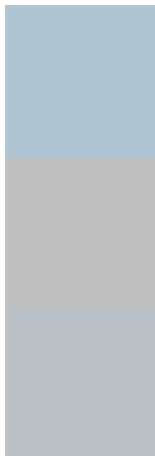
Deuteranomaly

52.7626, 53.4844, 69.8300

Tritanomaly

49.7544, 53.9161, 70.0719

Monochromacy



Original Color

49.6286, 53.8658, 69.4094

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.8503, 53.1462, 61.6637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6286, 53.8658, 69.4094 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(176, 197, 211)` looks like.

```
.text, #text, p{  
    color:rgb(176, 197, 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(176, 197, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 197, 211) }
```

Border

The CSS property to change the border of an element to XYZ 49.6286, 53.8658, 69.4094 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(176, 197, 211) }
```


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

```
.border{ border-color:rgb(176, 197, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 197, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 197, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 197, 211);  
box-shadow:4px 4px 4px 4px rgb(176, 197,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6286, 53.8658, 69.4094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 197, 211) }
```

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

```
.background{ background-color: rgb(176,  
197, 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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