

Converting Colors

XYZ(45.4931, 49.3147, 55.0395)

Have a look what the booklet for
XYZ(45.4931, 49.3147, 55.0395)
contains.

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Color

**XYZ(45.5144, 49.4164,
55.2836)**

Conversions

Conversions Part 1

Format	Color
Hex	B1BDBD
RGB	177, 189, 189
RGB Percent	69%, 74%, 74%
CMY	0.3059, 0.2588, 0.2588
CMYK	0.06, 0.00, 0.00, 0.26
HSL	180°, 8%, 72%
HSV	180°, 6%, 74%
XYZ	45.5144, 49.4164, 55.2836
YIQ	185.4120, -7.1520, -2.5440

Conversions

Conversions Part 2

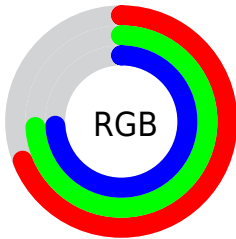
Format	Color
RYB	177, 183, 189
Decimal	11648445
CIELab	75.71, -4.12, -1.43
CIElCh	76, 4.365, 199.181
Yxy	49.4164, 0.3030, 0.3290
Android (android.graphics.Color)	4289838525 (0xFFB1BDBD)
YUV	185.4120, 1.7689, -7.3773
Hunter-Lab	70.2968, -7.4477, 2.5803

Details

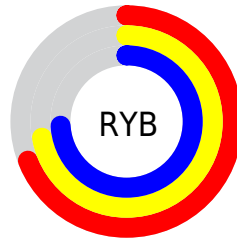
The XYZ color **45.5144, 49.4164, 55.2836** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.6460, 45.4388, 48.0148**, and the grayscale version is **46.3380, 48.7512, 53.0900**.

A 20% lighter version of the original color is **82.7381, 89.2210, 99.2468**, and **21.5603, 23.6710, 26.7252** is the 20% darker color. If you saturate the color by 10%, you get **41.5040, 47.3504, 55.0944**, and if you desaturate by 10%, it is **50.1239, 51.7940, 55.5028**.

Distribution



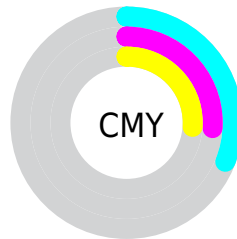
- Red (69%)
- Green (74%)
- Blue (74%)



- Red (69%)
- Yellow (72%)
- Blue (74%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (26%)



- Cyan (31%)
- Magenta (26%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5144, 49.4164, 55.2836 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 45.5144, 49.4164, 55.2836 by changing the saturation by 10% instead.

■ 45.5144, 49.4164,
55.2836

■ 45.5144, 49.4164,
55.2836

359.6017,
384.3793, 424.2983

■ 32.0658, 34.9499,
39.2287

■ 82.7241, 89.3096,
99.4317

■ 21.5676, 23.6243,
26.6285

107.2159,
115.5051, 128.3619

■ 13.6543, 15.0552,
17.0644

136.1195,
146.3790, 162.4210

■ 7.9607, 8.8581,
10.1180

169.8003,
182.3158, 202.0275

■ 4.1214, 4.6487,
5.3706

208.6235,
223.6998, 247.5999

■ 1.7711, 2.0427,
2.4038

252.9546,

■ 0.5001, 0.6321,

270.9155, 299.5568

0.7885

303.1588,
324.3472, 358.3168

■ 0.0000, 0.0000,
0.0000

■ 45.5144, 49.4164,
55.2836

■ 45.5144, 49.4164,
55.2836

■ 41.5040, 47.3504,
55.0944

■ 50.1239, 51.7940,
55.5028

■ 38.0640, 45.5771,
54.9310

■ 55.3513, 54.4888,
55.7500

■ 35.1700, 44.0852,
54.7930

■ 61.2196, 57.5139,
56.0271

■ 32.7938, 42.8603,
54.6793

■ 67.7496, 60.8802,
56.3352

■ 30.9049, 41.8865,
54.5885

■ 68.6263, 61.3321,
56.3787

■ 29.4695, 41.1466,
54.5188

■ 68.6268, 61.3323,
56.3812

■ 28.4496, 40.6209,
54.4686

■ 68.6273, 61.3325,
56.3837

■ 27.8010, 40.2866,
54.4357

■ 68.6278, 61.3327,
56.3862

■ 27.4660, 40.1140,
54.4176

■ 68.6283, 61.3329,
56.3887

Harmonies

Analogous

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



45.4569, 49.4164, 52.9739



45.5144, 49.4164, 55.2836



45.9590, 49.4164, 57.2496

Triad

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



45.5144, 49.4164, 55.2836



48.1563, 49.4164, 56.7720



47.2615, 49.4164, 49.5464

Complementary

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



45.5144, 49.4164, 55.2836



44.6460, 45.4388, 48.0148

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.



47.9933, 49.4164, 50.5035



45.5144, 49.4164, 55.2836



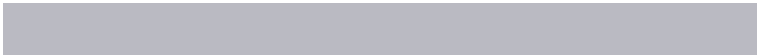
48.5139, 49.4164, 54.6469

Square

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



45.5144, 49.4164, 55.2836



47.4819, 49.4164, 58.1258



48.4539, 49.4164, 52.3551



46.4594, 49.4164, 49.7058

Rectangle

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



45.5144, 49.4164, 55.2836



46.4179, 49.4164, 58.0800



48.4539, 49.4164, 52.3551



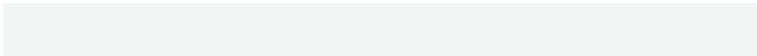
47.5240, 49.4164, 49.7471

Sweetspot

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



45.5158, 49.4185, 55.2847



84.9453, 90.2726, 99.1726



44.3119, 48.9422, 48.7072



18.2855, 19.4222, 21.3275



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



45.5158, 49.4185, 55.2847



80.1609, 87.8062, 98.9459



44.2930, 46.9724, 54.8786



9.8085, 10.8095, 12.2412



18.4209, 26.9587, 36.6090



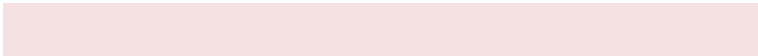
0.7216, 1.0560, 1.4342

Inverse Universe

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



44.6460, 45.4388, 48.0148



78.1908, 78.7921, 82.4793



45.8162, 47.7795, 48.4035



9.5303, 9.5364, 9.9155



14.1204, 7.2793, 0.6619



0.5531, 0.2851, 0.0261

Previews

White Background



This preview shows how the XYZ color 45.5144, 49.4164, 55.2836 looks on a white background.

Color Contrast Check

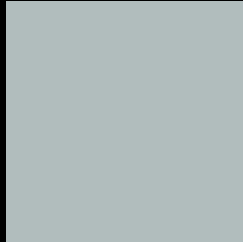
Large Text (above 18pt) WCAG AA × Fail

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 45.5144, 49.4164, 55.2836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

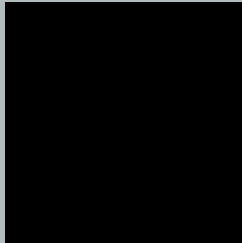
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

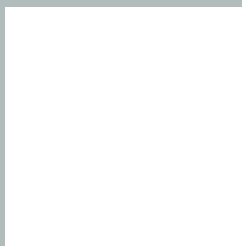
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5144, 49.4164, 55.2836

Background



This preview shows how black text looks on a background with the XYZ color 45.5144, 49.4164, 55.2836.



This preview shows how white text looks on a background with the XYZ color 45.5144, 49.4164,

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

45.5144, 49.4164, 55.2836

Protanopia

47.3049, 49.1046, 53.9986

Deuteranopia

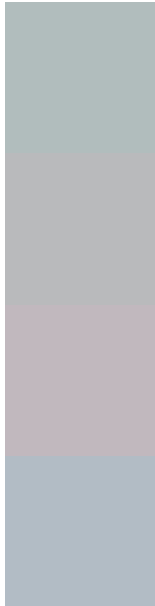
50.2850, 49.3659, 56.1685



Tritanopia

47.0214, 49.3886, 62.9318

Trichromacy



Original Color

45.5144, 49.4164, 55.2836

Protanomaly

46.6436, 49.0629, 54.5887

Deuteranomaly

48.4271, 49.3361, 55.6856

Tritanomaly

46.4214, 49.4626, 59.9239

Monochromacy



Original Color

45.5144, 49.4164, 55.2836

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.7132, 48.6081, 53.4273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5144, 49.4164, 55.2836 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(177, 189, 189)` looks like.

```
.text, #text, p{  
    color:rgb(177, 189, 189)  
}
```

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(177, 189, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 189, 189) }
```

Border

The CSS property to change the border of an element to XYZ 45.5144, 49.4164, 55.2836 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(177, 189, 189) }
```


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

```
.border{ border-color:rgb(177, 189, 189) }
```

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

Here you see how a box with a 4 pixel rgb(177, 189, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 189, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 189, 189);  
box-shadow:4px 4px 4px 4px rgb(177, 189,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5144, 49.4164, 55.2836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 189, 189) }
```

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

```
.background{ background-color: rgb(177,  
189, 189) }
```

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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