

# Converting Colors

XYZ(45.4841, 47.3307, 55.4781)

Have a look what the booklet for  
XYZ(45.4841, 47.3307, 55.4781)  
contains.

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# Color

**XYZ(45.3136, 47.1187,  
55.4217)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6B6BE
RGB	182, 182, 190
RGB Percent	71%, 71%, 75%
CMY	0.2863, 0.2863, 0.2549
CMYK	0.04, 0.04, 0.00, 0.25
HSL	240°, 6%, 73%
HSV	240°, 4%, 75%
XYZ	45.3136, 47.1187, 55.4217
YIQ	182.9120, -2.5680, 2.4880

# Conversions

## Conversions Part 2

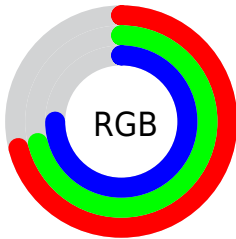
Format	Color
<a href="#">RYB</a>	<a href="#">182, 182, 190</a>
Decimal	<a href="#">11974334</a>
CIELab	<a href="#">74.27, 1.53, -4.06</a>
CIELCh	<a href="#">74, 4.334, 290.603</a>
Yxy	<a href="#">47.1187, 0.3065, 0.3187</a>
Android (android.graphics.Color)	<a href="#">4290164414 (0xFFB6B6BE)</a>
YUV	<a href="#">182.9120, 3.4944, -0.7998</a>
Hunter-Lab	<a href="#">68.6431, -2.2915, 0.1800</a>

# Details

The XYZ color **45.3136, 47.1187, 55.4217** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.0922, 51.1508, 51.5950**, and the grayscale version is **44.9451, 47.2858, 51.4942**.

A 20% lighter version of the original color is **82.4690, 85.9800, 99.4380**, and **21.4189, 22.1738, 26.8180** is the 20% darker color. If you saturate the color by 10%, you get **37.4982, 37.7030, 54.0169**, and if you desaturate by 10%, it is **54.2681, 57.9074, 57.0329**.

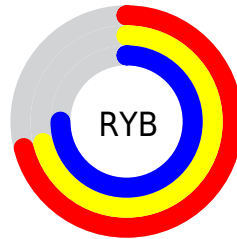
# Distribution



Red (71%)

Green (71%)

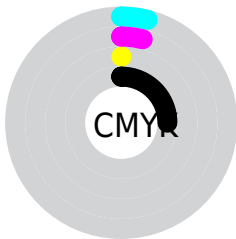
Blue (75%)



Red (71%)

Yellow (71%)

Blue (75%)

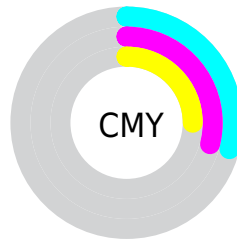


Cyan (4%)

Magenta (4%)

Yellow (0%)

Black (25%)



Cyan (29%)

Magenta (29%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3136, 47.1187, 55.4217 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 45.3136, 47.1187, 55.4217 by changing the saturation by 10% instead.



■ 45.3136, 47.1187,  
55.4217

■ 45.3136, 47.1187,  
55.4217

358.8045,  
375.2881, 424.8354

■ 31.9068, 33.1295,  
39.3386

■ 82.4250, 85.8908,  
99.6359

■ 21.4456, 22.2257,  
26.7134

106.8603,  
111.4424, 128.6040

■ 13.5644, 14.0228,  
17.1275

135.7025,  
141.6171, 162.7042

■ 7.8980, 8.1365,  
10.1625

169.3170,  
176.7990, 202.3550

■ 4.0810, 4.1824,  
5.3998

208.0691,  
217.3727, 247.9750

■ 1.7481, 1.7761,  
2.4209

252.3241,

■ 0.4861, 0.4722,

263.7225, 299.9827

0.7978

302.4475,  
316.2329, 358.7967

■ 0.0000, 0.0000,  
0.0000

■ 45.3136, 47.1187,  
55.4217

■ 45.3136, 47.1187,  
55.4217

■ 37.4982, 37.7030,  
54.0169

■ 54.2681, 57.9074,  
57.0329

■ 30.7723, 29.5994,  
52.8073

■ 64.4006, 70.1147,  
58.8551

■ 25.0889, 22.7517,  
51.7851

■ 75.7530, 83.7916,  
60.8967

■ 20.3958, 17.0970,  
50.9409

■ 86.2944, 96.4978,  
62.7936

■ 16.6364, 12.5670,  
50.2647

■ 13.7484, 9.0868,  
49.7452

■ 11.6617, 6.5720,  
49.3698

■ 10.2957, 4.9255,  
49.1240

■ 9.5529, 4.0299,  
48.9902

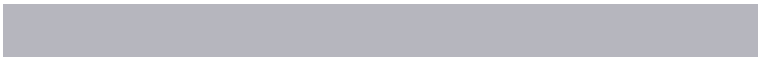
# Harmonies

## Analogous

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



44.5410, 47.1187, 55.6501



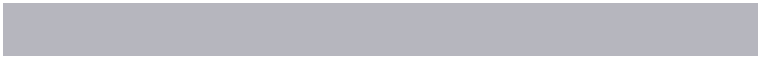
45.3136, 47.1187, 55.4217



45.9514, 47.1187, 54.0730

# Triad

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



45.3136, 47.1187, 55.4217



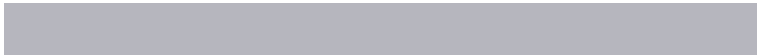
45.7415, 47.1187, 48.0629



43.3246, 47.1187, 50.6076

# Complementary

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



45.3136, 47.1187, 55.4217



48.0922, 51.1508, 51.5950

# 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.



43.6383, 47.1187, 48.6317



45.3136, 47.1187, 55.4217



45.0297, 47.1187, 47.1908

# Square

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



45.3136, 47.1187, 55.4217



46.2004, 47.1187, 49.8108



44.2603, 47.1187, 47.3960



43.3986, 47.1187, 52.8273



# Rectangle

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



45.3136, 47.1187, 55.4217



46.2114, 47.1187, 52.7409



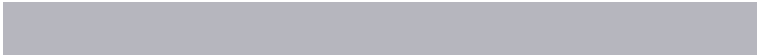
44.2603, 47.1187, 47.3960



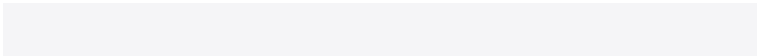
43.3881, 47.1187, 49.8939

# Sweetspot

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



45.3150, 47.1207, 55.4227



87.0710, 91.3580, 101.3239



46.9852, 50.4846, 55.9076



19.1377, 20.0827, 22.2530



92.9021, 97.7402, 106.4391

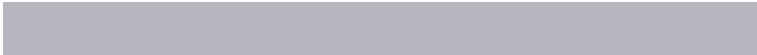


19.4759, 20.4902, 22.3138



# Same Dimension

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



45.3150, 47.1207, 55.4227



80.8024, 83.8056, 100.1965



46.2402, 47.5968, 55.4659



9.6729, 10.0164, 12.0958



6.1808, 2.4734, 32.5445



0.2422, 0.0971, 1.2748

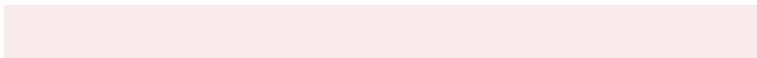


# Inverse Universe

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



46.4077, 47.7813, 51.0351



83.1782, 85.2419, 90.6570



47.1398, 50.6608, 51.5507



9.9888, 10.2074, 10.8271



14.1206, 7.2794, 0.6626

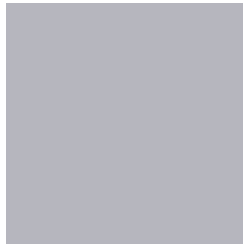


0.5532, 0.2852, 0.0262



# Previews

## White Background



This preview shows how the XYZ color 45.3136, 47.1187, 55.4217 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 45.3136, 47.1187, 55.4217 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

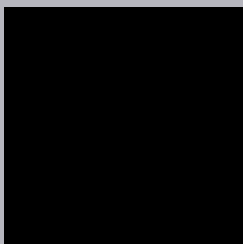
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

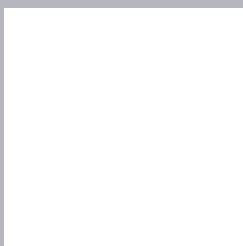
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 45.3136, 47.1187, 55.4217

## Background



This preview shows how black text looks on a background with the XYZ color 45.3136, 47.1187, 55.4217.



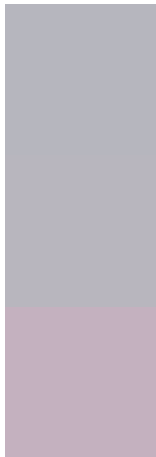
This preview shows how white text looks on a background with the XYZ color 45.3136, 47.1187,



# 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

45.3136, 47.1187, 55.4217

### Protanopia

45.7894, 47.3639, 55.4440

### Deuteranopia

47.8911, 46.9416, 55.8267



## Tritanopia

45.9026, 47.0552, 58.2930

# Trichromacy



## Original Color

45.3136, 47.1187, 55.4217

## Protanomaly

45.5507, 47.2409, 55.4328

## Deuteranomaly

47.0099, 47.0782, 55.8995

## Tritanomaly

45.6780, 46.9653, 57.1098

# Monochromacy



## Original Color

45.3136, 47.1187, 55.4217

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

45.3249, 47.4794, 53.2299

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.3136, 47.1187, 55.4217 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(182, 182, 190)` looks like.

```
.text, #text, p{  
    color:rgb(182, 182, 190)  
}
```

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(182, 182, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 182, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 45.3136, 47.1187, 55.4217 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".

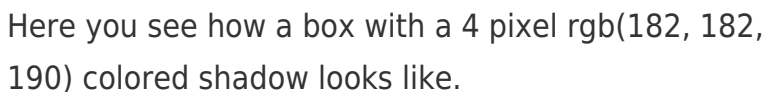
```
.border, #border, table{ border:4px solid rgb(182, 182, 190) }
```



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

```
.border{ border-color:rgb(182, 182, 190) }
```

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



Here you see how a box with a 4 pixel `rgb(182, 182, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 182, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 182, 190);  
box-shadow:4px 4px 4px 4px rgb(182, 182,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.3136, 47.1187, 55.4217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 182, 190) }
```

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

```
.background{ background-color: rgb(182,  
182, 190) }
```

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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