

# Converting Colors

XYZ(45.5288, 49.5616, 54.9289)

Have a look what the booklet for  
XYZ(45.5288, 49.5616, 54.9289)  
contains.

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# Color

**XYZ(45.4062, 49.3731,  
54.7138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1BDBC
RGB	177, 189, 188
RGB Percent	69%, 74%, 74%
CMY	0.3059, 0.2588, 0.2627
CMYK	0.06, 0.00, 0.01, 0.26
HSL	175°, 8%, 72%
HSV	175°, 6%, 74%
XYZ	45.4062, 49.3731, 54.7138
YIQ	185.2980, -6.8310, -2.8550

# Conversions

## Conversions Part 2

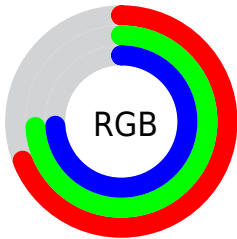
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 183, 189
Decimal	11648444
CIELab	75.68, -4.32, -0.93
CIELCh	76, 4.417, 192.161
Yxy	49.3731, 0.3037, 0.3303
Android (android.graphics.Color)	4289838524 (0xFFB1BDBC)
YUV	185.2980, 1.3321, -7.2773
Hunter-Lab	70.2660, -7.6180, 3.0190

# Details

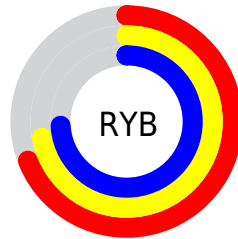
The XYZ color **45.4062, 49.3731, 54.7138** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.7461, 45.4789, 48.5418**, and the grayscale version is **46.2767, 48.6867, 53.0198**.

A 20% lighter version of the original color is **82.5858, 89.1601, 98.4448**, and **21.4895, 23.6427, 26.3525** is the 20% darker color. If you saturate the color by 10%, you get **41.2269, 47.2395, 53.6354**, and if you desaturate by 10%, it is **50.1865, 51.8190, 55.8321**.

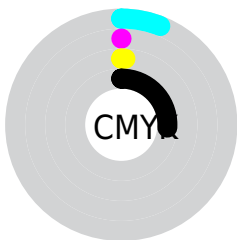
# Distribution



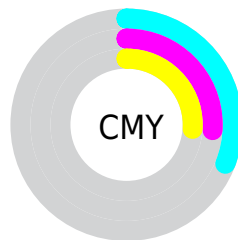
- Red (69%)
- Green (74%)
- Blue (74%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (26%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4062, 49.3731, 54.7138 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 45.4062, 49.3731, 54.7138 by changing the saturation by 10% instead.



■ 45.4062, 49.3731,  
54.7138

■ 45.4062, 49.3731,  
54.7138

359.1723,  
384.2093, 422.0775

■ 31.9801, 34.9155,  
38.7756

■ 82.5629, 89.2453,  
98.5884

■ 21.5018, 23.5978,  
26.2787

107.0243,  
115.4288, 127.3619

■ 13.6058, 15.0356,  
16.8046

135.8949,  
146.2897, 161.2509

■ 7.9269, 8.8443,  
9.9348

169.5399,  
182.2124, 200.6740

■ 4.0996, 4.6398,  
5.2507

208.3248,  
223.5813, 246.0496

■ 1.7586, 2.0375,  
2.3338

252.6149,

■ 0.4926, 0.6291,

270.7808, 297.7964

0.7501

302.7756,  
324.1954, 356.3328

■ 0.0000, 0.0000,  
0.0000

■ 45.4062, 49.3731,  
54.7138

■ 45.4062, 49.3731,  
54.7138

■ 41.2269, 47.2395,  
53.6354

■ 50.1865, 51.8190,  
55.8321

■ 37.6200, 45.3994,  
52.5925

■ 55.5864, 54.5828,  
56.9880

■ 34.5608, 43.8415,  
51.5849

■ 61.6292, 57.6778,  
58.1839

■ 32.0213, 42.5512,  
50.6113

■ 68.3356, 61.1146,  
59.4206

■ 29.9709, 41.5129,  
49.6701

■ 69.3905, 61.6378,  
60.4027

■ 28.3758, 40.7092,  
48.7598

■ 69.5711, 61.7100,  
61.3537

■ 27.1982, 40.1203,  
47.8786

■ 69.7536, 61.7830,  
62.3148

■ 26.3936, 39.7236,  
47.0244

■ 69.9380, 61.8568,  
63.2858

■ 25.9044, 39.4893,  
46.1944

■ 70.1243, 61.9313,  
64.2669

# Harmonies

## Analogous

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



45.4457, 49.3731, 52.3902



45.4062, 49.3731, 54.7138



45.7709, 49.3731, 56.8407

# Triad

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



45.4062, 49.3731, 54.7138



47.9917, 49.3731, 57.1690



47.4113, 49.3731, 49.5823

# Complementary

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



45.4062, 49.3731, 54.7138



44.7461, 45.4789, 48.5418

# 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.



48.1037, 49.3731, 50.7905



45.4062, 49.3731, 54.7138



48.4415, 49.3731, 55.1513

# Square

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



45.4062, 49.3731, 54.7138



47.2599, 49.3731, 58.2856



48.4827, 49.3731, 52.8152



46.5970, 49.3731, 49.4729



# Rectangle

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



45.4062, 49.3731, 54.7138



46.1967, 49.3731, 57.8430



48.4827, 49.3731, 52.8152



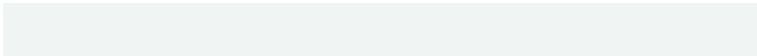
47.6663, 49.3731, 49.8717

# Sweetspot

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



45.4076, 49.3752, 54.7149



84.8831, 90.2478, 98.8453



44.5410, 49.0603, 48.7179



18.2728, 19.4171, 21.2607



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.



45.4076, 49.3752, 54.7149



79.9131, 87.7071, 97.6412



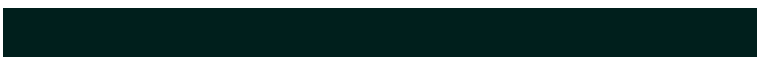
44.5004, 47.3871, 54.9477



9.7733, 10.7954, 12.0555



17.3464, 26.5289, 30.9508



0.6897, 1.0433, 1.2664

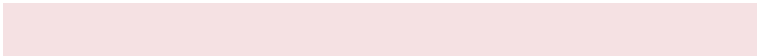


# Inverse Universe

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



44.7461, 45.4789, 48.5418



78.4148, 78.8817, 83.6588



45.6109, 47.3689, 48.3351



9.5617, 9.5490, 10.0807



14.1942, 7.3088, 1.0505



0.5671, 0.2907, 0.0996



# Previews

## White Background



This preview shows how the XYZ color 45.4062, 49.3731, 54.7138 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

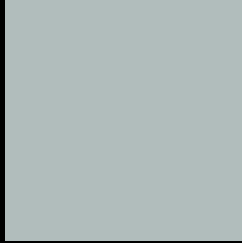
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.4062, 49.3731, 54.7138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

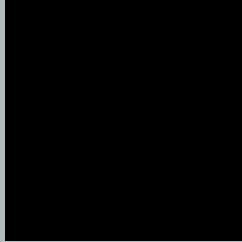
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

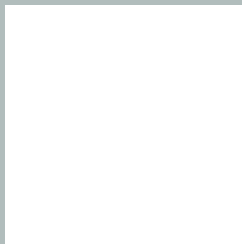
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 45.4062, 49.3731, 54.7138**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.4062, 49.3731, 54.7138.



This preview shows how white text looks on a background with the XYZ color 45.4062, 49.3731,



# 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

45.4062, 49.3731, 54.7138

### Protanopia

47.4471, 49.1902, 53.4483

### Deuteranopia

50.2441, 49.0567, 55.5359



## Tritanopia

47.0214, 49.3886, 62.9318

# Trichromacy



## Original Color

45.4062, 49.3731, 54.7138

## Protanomaly

46.5361, 49.0200, 54.0228

## Deuteranomaly

48.3669, 49.0104, 55.0549

## Tritanomaly

46.4214, 49.4626, 59.9239

# Monochromacy



## Original Color

45.4062, 49.3731, 54.7138

## 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 45.4062, 49.3731, 54.7138 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(177, 189, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 189, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 45.4062, 49.3731, 54.7138 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, 188) }
```



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

```
.border{ border-color:rgb(177, 189, 188) }
```

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, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 189, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 189, 188);  
box-shadow:4px 4px 4px 4px rgb(177, 189,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.4062, 49.3731, 54.7138 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, 188) }
```

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

```
.background{ background-color: rgb(177,  
189, 188) }
```

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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