

Converting Colors

XYZ(46.0665, 45.9048, 56.4479)

Have a look what the booklet for
XYZ(46.0665, 45.9048, 56.4479)
contains.

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Color

**XYZ(45.9756, 45.9414,
56.3136)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB1C0
RGB	188, 177, 192
RGB Percent	74%, 69%, 75%
CMY	0.2627, 0.3059, 0.2471
CMYK	0.02, 0.08, 0.00, 0.25
HSL	284°, 11%, 72%
HSV	284°, 8%, 75%
XYZ	45.9756, 45.9414, 56.3136
YIQ	181.9990, 1.7410, 6.9970

Conversions

Conversions Part 2

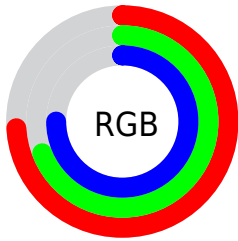
Format	Color
R _Y B	188, 177, 192
Decimal	12366272
CIE Lab	73.51, 6.69, -6.22
CIE LCh	74, 9.129, 317.086
Yxy	45.9414, 0.3102, 0.3099
Android (android.graphics.Color)	4290556352 (0xFFBCB1C0)
YUV	181.9990, 4.9305, 5.2629
Hunter-Lab	67.7801, 2.4624, -1.8137

Details

The XYZ color **45.9756, 45.9414, 56.3136** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.8432, 50.6986, 48.9669**, and the grayscale version is **44.4373, 46.7515, 50.9124**.

A 20% lighter version of the original color is **83.3904, 84.2882, 100.6810**, and **21.8595, 21.4303, 27.4104** is the 20% darker color. If you saturate the color by 10%, you get **41.2081, 38.2454, 55.0801**, and if you desaturate by 10%, it is **51.3242, 54.7315, 57.7291**.

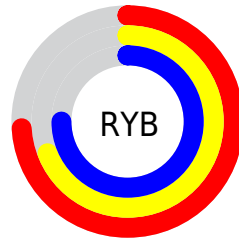
Distribution



Red (74%)

Green (69%)

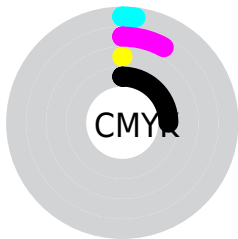
Blue (75%)



Red (74%)

Yellow (69%)

Blue (75%)

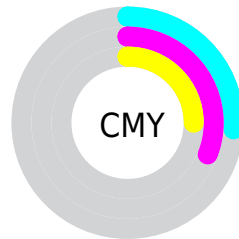


Cyan (2%)

Magenta (8%)

Yellow (0%)

Black (25%)



Cyan (26%)

Magenta (31%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9756, 45.9414, 56.3136 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 45.9756, 45.9414, 56.3136 by changing the saturation by 10% instead.

■ 45.9756, 45.9414,
56.3136

■ 45.9756, 45.9414,
56.3136

361.4281,
370.5730, 428.2937

■ 32.4311, 32.1996,
40.0487

■ 83.4106, 84.1313,
100.9533

■ 21.8481, 21.5140,
27.2625

108.0318,
109.3482, 130.1652

■ 13.8613, 13.5002,
17.5363

137.0759,
139.1588, 164.5299

■ 8.1053, 7.7739,
10.4516

170.9083,
173.9477, 204.4659

■ 4.2148, 3.9506,
5.5899

209.8944,
214.0991, 250.3917

■ 1.8244, 1.6460,
2.5326

254.3995,

■ 0.5323, 0.3883,

259.9976, 302.7260

0.8574

304.7889,
312.0274, 361.8871

■ 0.0000, 0.0000,
0.0000

■ 45.9756, 45.9414,
56.3136

■ 45.9756, 45.9414,
56.3136

■ 41.2081, 38.2454,
55.0801

■ 51.3242, 54.7315,
57.7291

■ 36.9949, 31.5932,
54.0181

■ 57.2711, 64.6519,
59.3304

■ 33.3133, 25.9389,
53.1208

■ 63.8378, 75.7441,
61.1254

■ 30.1372, 21.2313,
52.3795

■ 71.0435, 88.0460,
63.1201

■ 27.4382, 17.4142,
51.7850

■ 72.8913, 89.5628,
63.3155

■ 25.1850, 14.4256,
51.3269

■ 74.4060, 90.3436,
63.3863

■ 23.3419, 12.1952,
50.9935

■ 75.9680, 91.1489,
63.4594

■ 21.8677, 10.6409,
50.7712

■ 77.5778, 91.9788,
63.5348

■ 20.7005, 9.6401,
50.6396

■ 79.2358, 92.8335,
63.6124

Harmonies

Analogous

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



44.5830, 45.9414, 58.9966



45.9756, 45.9414, 56.3136



46.7574, 45.9414, 52.0327

Triad

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



45.9756, 45.9414, 56.3136



44.3623, 45.9414, 41.8590



40.7696, 45.9414, 52.6761

Complementary

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



45.9756, 45.9414, 56.3136



45.8432, 50.6986, 48.9669

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.



40.7138, 45.9414, 48.0645



45.9756, 45.9414, 56.3136



42.7615, 45.9414, 42.0077

Square

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



45.9756, 45.9414, 56.3136



45.8107, 45.9414, 43.7985



41.4349, 45.9414, 44.2181



41.5892, 45.9414, 56.8095

Rectangle

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



45.9756, 45.9414, 56.3136



46.8147, 45.9414, 48.9353



41.4349, 45.9414, 44.2181



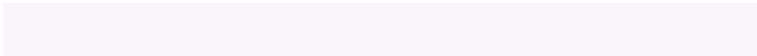
40.6616, 45.9414, 51.1254

Sweetspot

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



45.9769, 45.9434, 56.3146



88.7751, 92.2016, 103.4780



44.2225, 46.3044, 56.4768



19.0667, 19.8157, 22.2052



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.



45.9769, 45.9434, 56.3146



82.0947, 81.2735, 101.7208



46.6199, 46.3160, 54.4858



10.2267, 10.1080, 12.6969



13.8466, 6.3986, 34.0619



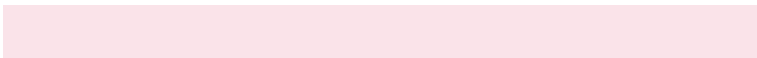
0.6607, 0.3086, 1.4746

Inverse Universe

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



45.8025, 45.9890, 50.1811



81.7359, 81.3742, 88.7954



45.2465, 50.3531, 50.6500



10.1811, 10.1210, 11.0440



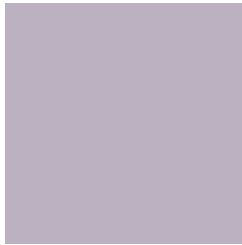
15.0608, 7.7141, 2.9661



0.6805, 0.3452, 0.2847

Previews

White Background



This preview shows how the XYZ color 45.9756, 45.9414, 56.3136 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 45.9756, 45.9414, 56.3136 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 45.9756, 45.9414, 56.3136

Background



This preview shows how black text looks on a background with the XYZ color 45.9756, 45.9414, 56.3136.



This preview shows how white text looks on a background with the XYZ color 45.9756, 45.9414,

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

45.9756, 45.9414, 56.3136

Protanopia

44.5681, 45.7938, 56.9422

Deuteranopia

46.8367, 45.8032, 56.2415



Tritanopia

45.8651, 45.8972, 55.7319

Trichromacy



Original Color

45.9756, 45.9414, 56.3136

Protanomaly

45.0745, 45.7583, 56.9086

Deuteranomaly

46.5256, 45.9328, 56.2829

Tritanomaly

45.8651, 45.8972, 55.7319

Monochromacy



Original Color

45.9756, 45.9414, 56.3136

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.9513, 46.3780, 53.0370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9756, 45.9414, 56.3136 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(188, 177, 192) looks like.

```
.text, #text, p{  
    color:rgb(188, 177, 192)  
}
```

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(188, 177, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 177, 192) }
```

Border

The CSS property to change the border of an element to XYZ 45.9756, 45.9414, 56.3136 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(188, 177, 192) }
```


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

```
.border{ border-color:rgb(188, 177, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 177, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 177, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 177, 192);  
box-shadow:4px 4px 4px 4px rgb(188, 177,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9756, 45.9414, 56.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 177, 192) }
```

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

```
.background{ background-color: rgb(188,  
177, 192) }
```

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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