

# Converting Colors

XYZ(44.4217, 45.7812, 56.6206)

Have a look what the booklet for  
XYZ(44.4217, 45.7812, 56.6206)  
contains.

<b>XYZ(44.2249, 45.6297, 56.3457)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(44.2249, 45.6297,  
56.3457)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3B3C0
RGB	179, 179, 192
RGB Percent	70%, 70%, 75%
CMY	0.2980, 0.2980, 0.2471
CMYK	0.07, 0.07, 0.00, 0.25
HSL	240°, 9%, 73%
HSV	240°, 7%, 75%
XYZ	44.2249, 45.6297, 56.3457
YIQ	180.4820, -4.1730, 4.0430

# Conversions

## Conversions Part 2

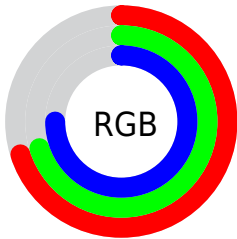
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 179, 192
Decimal	11776960
CIE Lab	73.30, 2.51, -6.60
CIE LCh	73, 7.059, 290.862
Yxy	45.6297, 0.3025, 0.3121
Android (android.graphics.Color)	4289967040 (0xFFB3B3C0)
YUV	180.4820, 5.6784, -1.2997
Hunter-Lab	67.5498, -1.3479, -2.1711

# Details

The XYZ color **44.2249, 45.6297, 56.3457** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.7246, 52.1598, 50.1483**, and the grayscale version is **43.6146, 45.8860, 49.9698**.

A 20% lighter version of the original color is **80.9126, 83.8561, 100.7282**, and **20.7252, 21.2214, 27.4299** is the 20% darker color. If you saturate the color by 10%, you get **36.5097, 36.3343, 54.9588**, and if you desaturate by 10%, it is **53.0962, 56.3186, 57.9420**.

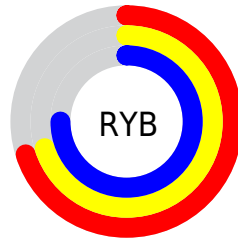
# Distribution



Red (70%)

Green (70%)

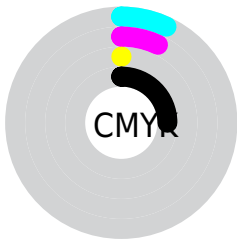
Blue (75%)



Red (70%)

Yellow (70%)

Blue (75%)

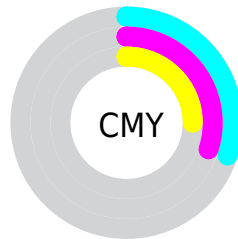


Cyan (7%)

Magenta (7%)

Yellow (0%)

Black (25%)



Cyan (30%)

Magenta (30%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.2249, 45.6297, 56.3457 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 44.2249, 45.6297, 56.3457 by changing the saturation by 10% instead.



■ 44.2249, 45.6297,  
56.3457

■ 44.2249, 45.6297,  
56.3457

354.4620,  
369.3179, 428.4179

■ 31.0460, 31.9537,  
40.0743

■ 80.8003, 83.6645,  
101.0007

■ 20.7859, 21.3261,  
27.2823

104.9276,  
108.7922, 130.2213

■ 13.0792, 13.3626,  
17.5510

133.4350,  
138.5058, 164.5955

■ 7.5605, 7.6787,  
10.4620

166.6879,  
173.1899, 204.5417

■ 3.8644, 3.8901,  
5.5968

205.0517,  
213.2287, 250.4785

■ 1.6257, 1.6123,  
2.5367

248.8918,

■ 0.4091, 0.3658,

259.0067, 302.8245

0.8595

298.5734,  
310.9083, 361.9981

■ 0.0000, 0.0000,  
0.0000

■ 44.2249, 45.6297,  
56.3457

■ 44.2249, 45.6297,  
56.3457

■ 36.5097, 36.3343,  
54.9588

■ 53.0962, 56.3186,  
57.9420

■ 29.8993, 28.3696,  
53.7699

■ 63.1642, 68.4489,  
59.7527

■ 24.3443, 21.6763,  
52.7708

■ 74.4726, 82.0735,  
61.7865

■ 19.7901, 16.1889,  
51.9516

■ 86.5146, 96.5858,  
63.9530

■ 16.1772, 11.8355,  
51.3017

■ 13.4399, 8.5370,  
50.8093

■ 11.5038, 6.2038,  
50.4610

■ 10.2825, 4.7319,  
50.2413

■ 9.6600, 3.9814,  
50.1292

# Harmonies

## Analogous

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



42.9918, 45.6297, 56.7395



44.2249, 45.6297, 56.3457



45.2467, 45.6297, 54.1221

# Triad

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



44.2249, 45.6297, 56.3457



44.8932, 45.6297, 44.5692



41.0564, 45.6297, 48.6056

# Complementary

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



44.2249, 45.6297, 56.3457



48.7246, 52.1598, 50.1483

# 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.



41.5452, 45.6297, 45.4935



44.2249, 45.6297, 56.3457



43.7497, 45.6297, 43.2372

# Square

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



44.2249, 45.6297, 56.3457



45.6376, 45.6297, 47.2891



42.5255, 45.6297, 43.5674



41.1781, 45.6297, 52.1563



# Rectangle

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



44.2249, 45.6297, 56.3457



45.6630, 45.6297, 51.9571



42.5255, 45.6297, 43.5674



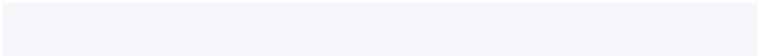
41.1544, 45.6297, 47.4762

# Sweetspot

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



44.2262, 45.6316, 56.3467



87.4848, 91.5370, 103.4178



46.9312, 51.0799, 57.1300



18.8036, 19.6802, 22.1929



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.



44.2262, 45.6316, 56.3467



78.1158, 80.2488, 101.7327



45.7112, 46.3962, 56.4160



9.5285, 9.7484, 12.6642



6.4026, 2.5617, 33.7136



0.2767, 0.1108, 1.4567

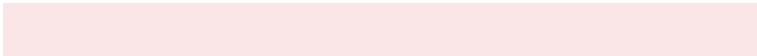


# Inverse Universe

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



45.9960, 46.7022, 49.2403



81.9304, 82.5562, 86.4155



47.1679, 51.3583, 50.0756



10.0733, 10.0779, 10.4767



14.6277, 7.5408, 0.6857

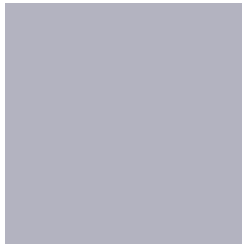


0.6321, 0.3258, 0.0298



# Previews

## White Background



This preview shows how the XYZ color 44.2249, 45.6297, 56.3457 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 44.2249, 45.6297, 56.3457 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

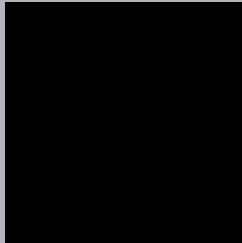
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.2249, 45.6297, 56.3457**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.2249, 45.6297, 56.3457.



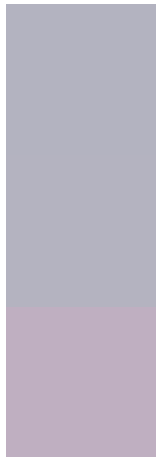
This preview shows how white text looks on a background with the XYZ color 44.2249, 45.6297,



# 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

44.2249, 45.6297, 56.3457

### Protanopia

44.4569, 45.7493, 56.3565

### Deuteranopia

46.4415, 45.5866, 56.8034



## Tritanopia

44.3361, 45.6742, 56.9313

# Trichromacy



## Original Color

44.2249, 45.6297, 56.3457

## Protanomaly

44.4569, 45.7493, 56.3565

## Deuteranomaly

45.6445, 45.4657, 56.8221

## Tritanomaly

44.3361, 45.6742, 56.9313

# Monochromacy



## Original Color

44.2249, 45.6297, 56.3457

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

43.7954, 45.8065, 51.8807

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.2249, 45.6297, 56.3457 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(179, 179, 192)` looks like.

```
.text, #text, p{  
    color:rgb(179, 179, 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(179, 179, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 179, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 44.2249, 45.6297, 56.3457 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(179, 179, 192) }
```



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

```
.border{ border-color:rgb(179, 179, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 179, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 179, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 179, 192);  
box-shadow:4px 4px 4px 4px rgb(179, 179,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.2249, 45.6297, 56.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 179, 192) }
```

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

```
.background{ background-color: rgb(179,  
179, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor