

# Converting Colors

XYZ(56.3304, 51.9562, 51.3618)

Have a look what the booklet for  
XYZ(56.3304, 51.9562, 51.3618)  
contains.

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# Color

**XYZ(56.2422, 51.9485,  
51.3187)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3B3B6
RGB	227, 179, 182
RGB Percent	89%, 70%, 71%
CMY	0.1098, 0.2980, 0.2863
CMYK	0.00, 0.21, 0.20, 0.11
HSL	356°, 46%, 80%
HSV	356°, 21%, 89%
XYZ	56.2422, 51.9485, 51.3187
YIQ	193.6940, 27.6450, 11.1090

# Conversions

## Conversions Part 2

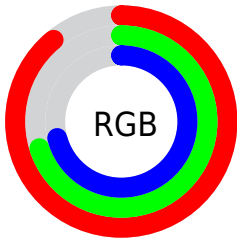
Format	Color
R <sub>Y</sub> B	227, 179, 182
Decimal	14922678
CIE Lab	77.25, 17.83, 5.13
CIE LCh	77, 18.554, 16.054
Yxy	51.9485, 0.3526, 0.3257
Android (android.graphics.Color)	4293112758 (0xFFE3B3B6)
YUV	193.6940, -5.7651, 29.2094
Hunter-Lab	72.0753, 13.1563, 8.2373

# Details

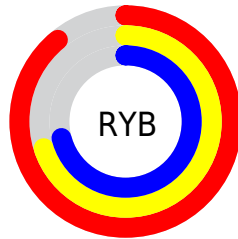
The XYZ color **56.2422, 51.9485, 51.3187** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **59.5162, 69.9051, 80.8808**, and the grayscale version is **51.1201, 53.7823, 58.5689**.

A 20% lighter version of the original color is **86.3809, 86.8497, 93.0998**, and **28.2179, 25.1646, 24.1389** is the 20% darker color. If you saturate the color by 10%, you get **50.0268, 42.7739, 39.2074**, and if you desaturate by 10%, it is **63.5437, 62.7594, 65.4424**.

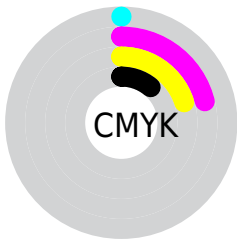
# Distribution



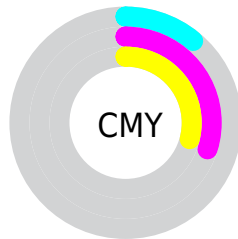
- Red (89%)
- Green (70%)
- Blue (71%)



- Red (89%)
- Yellow (70%)
- Blue (71%)



- Cyan (0%)
- Magenta (21%)
- Yellow (20%)
- Black (11%)




- Cyan (11%)
- Magenta (30%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2422, 51.9485, 51.3187 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 56.2422, 51.9485, 51.3187 by changing the saturation by 10% instead.





 56.2422, 51.9485,  
51.3187

 56.2422, 51.9485,  
51.3187


400.6639,  
394.2378, 408.6826

 40.6349, 36.9640,  
36.0838

 98.4964, 93.0553,  
93.5420

 28.2203, 25.1796,  
24.2087


125.8740,  
119.9464, 121.3675

 18.6331, 16.2109,  
15.2749


157.9057,  
151.5751, 154.2270

 11.5079, 9.6735,  
8.8638

194.9569,  
188.3260, 192.5390

 6.4794, 5.1830,  
4.5568

237.3930,  
230.5833, 236.7220

 3.1821, 2.3551,  
1.9355

285.5793,

 1.2508, 0.8026,

278.7314, 287.1945

0.5152

339.8811,  
333.1547, 344.3752

■ 0.1459, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.2422, 51.9485,  
51.3187

■ 56.2422, 51.9485,  
51.3187

■ 50.0268, 42.7739,  
39.2074

■ 63.5437, 62.7594,  
65.4424

■ 44.8415, 35.1491,  
29.0140

■ 71.9753, 75.2733,  
81.6610

■ 40.6319, 28.9908,  
20.6410

■ 81.5836, 89.5619,  
100.0561

■ 37.3369, 24.2048,  
13.9812

■ 85.4888, 95.0710,  
108.4525

■ 34.8884, 20.6859,  
8.9161

■ 33.2086, 18.3138,  
5.3119

■ 32.2056, 16.9450,  
3.0135

■ 31.7592, 16.3632,  
1.9060

# Harmonies

## Analogous

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



56.3132, 51.9485, 61.4150



56.2422, 51.9485, 51.3187



54.2743, 51.9485, 43.6030

# Triad

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



56.2422, 51.9485, 51.3187



44.6143, 51.9485, 44.0327



47.7459, 51.9485, 77.7762

# Complementary

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



56.2422, 51.9485, 51.3187



59.5162, 69.9051, 80.8808

# 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.



44.7807, 51.9485, 71.8661



56.2422, 51.9485, 51.3187



43.0323, 51.9485, 51.9737

# Square

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



56.2422, 51.9485, 51.3187



47.5086, 51.9485, 39.7543



43.0918, 51.9485, 62.1531



51.2906, 51.9485, 77.5458



# Rectangle

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



56.2422, 51.9485, 51.3187



52.2030, 51.9485, 40.4875



43.0918, 51.9485, 62.1531



46.6520, 51.9485, 76.4138

# Sweetspot

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



56.2436, 51.9509, 51.3198



88.1375, 89.7340, 95.6242



60.6653, 53.6040, 79.8228



18.7111, 18.9783, 20.1714



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



56.2436, 51.9509, 51.3198



69.8016, 62.5812, 60.1661



60.4248, 60.8035, 51.2023



14.4133, 14.3825, 15.1108



18.5363, 9.5487, 1.1870



1.3827, 0.7108, 0.1557



# Inverse Universe

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



56.2436, 51.9509, 51.3198



69.8016, 62.5812, 60.1661



54.5771, 59.3708, 81.2568



14.4133, 14.3825, 15.1108



18.5363, 9.5487, 1.1870



1.3827, 0.7108, 0.1557



# Previews

## White Background



This preview shows how the XYZ color 56.2422, 51.9485, 51.3187 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

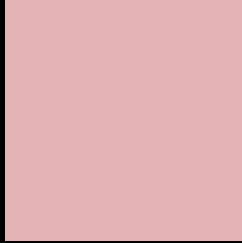
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.2422, 51.9485, 51.3187 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 56.2422, 51.9485, 51.3187**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.2422, 51.9485, 51.3187.



This preview shows how white text looks on a background with the XYZ color 56.2422, 51.9485,



# 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

56.2422, 51.9485, 51.3187

### Protanopia

49.9962, 52.0599, 54.9904

### Deuteranopia

53.1300, 52.1803, 50.9876



## Tritanopia

57.3193, 52.0964, 56.3248

# Trichromacy



## Original Color

56.2422, 51.9485, 51.3187

## Protanomaly

52.1540, 51.9284, 53.7287

## Deuteranomaly

54.1874, 52.1086, 50.9180

## Tritanomaly

56.9924, 51.9656, 54.6035

# Monochromacy



## Original Color

56.2422, 51.9485, 51.3187

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

52.9455, 53.2347, 56.2000

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.2422, 51.9485, 51.3187 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(227, 179, 182)` looks like.

```
.text, #text, p{  
    color:rgb(227, 179, 182)  
}
```

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(227, 179, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 179, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 56.2422, 51.9485, 51.3187 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(227, 179, 182) }
```



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

```
.border{ border-color:rgb(227, 179, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 179, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 179, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 179, 182);  
box-shadow:4px 4px 4px 4px rgb(227, 179,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.2422, 51.9485, 51.3187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 179, 182) }
```

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

```
.background{ background-color: rgb(227,  
179, 182) }
```

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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