

# Converting Colors

XYZ(52.3232, 56.6080, 8.3984)

Have a look what the booklet for  
XYZ(52.3232, 56.6080, 8.3984)  
contains.

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# Color

**XYZ(52.3232, 56.6080,  
8.3984)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5C508
RGB	229, 197, 8
RGB Percent	90%, 77%, 3%
CMY	0.1020, 0.2274, 0.9685
CMYK	0.00, 0.14, 0.96, 0.10
HSL	51°, 93%, 46%
HSV	51°, 96%, 90%
XYZ	52.3232, 56.6080, 8.3984
YIQ	185.0220, 79.7410, -51.9950

# Conversions

## Conversions Part 2

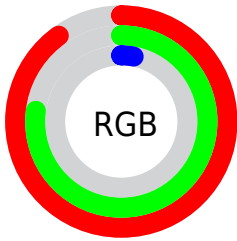
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 229, 8
Decimal	15058184
CIELab	79.96, -3.83, 80.31
CIELCh	80, 80.402, 92.731
Yxy	56.6080, 0.4460, 0.4825
Android (android.graphics.Color)	4293248264 (0xFFE5C508)
YUV	185.0220, -87.2718, 38.5687
Hunter-Lab	75.2383, -7.5322, 46.0486

# Details

The XYZ color **52.3232, 56.6080, 8.3984** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle washed yellow. A complement of this color would be **15.0025, 7.2275, 74.7326**, and the grayscale version is **46.5684, 48.9936, 53.3540**.

A 20% lighter version of the original color is **78.0450, 92.1824, 22.4837**, and **26.3354, 28.3815, 4.0902** is the 20% darker color. If you saturate the color by 10%, you get **52.0178, 56.0677, 8.0805**, and if you desaturate by 10%, it is **53.2880, 58.2141, 9.7188**.

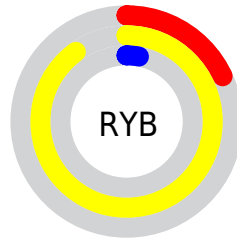
# Distribution



Red (90%)

Green (77%)

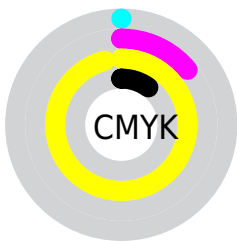
Blue (3%)



Red (18%)

Yellow (90%)

Blue (3%)

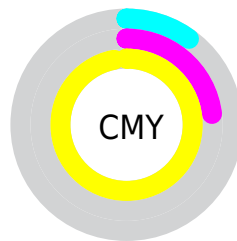


Cyan (0%)

Magenta (14%)

Yellow (96%)

Black (10%)



Cyan (10%)

Magenta (23%)


Yellow (97%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3232, 56.6080, 8.3984 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 52.3232, 56.6080, 8.3984 by changing the saturation by 10% instead.





 52.3232, 56.6080,  
8.3984


 52.3232, 56.6080,  
8.3984


385.9866,  
411.9788, 188.8741

 37.4881, 40.6906,  
4.2595


 92.7791, 99.8930,  
23.2948

 25.7610, 28.0774,  
1.7688


 119.1306,  
128.0294, 34.8893

 16.7767, 18.3840,  
0.4072


 150.0516,  
161.0075, 49.8062

 10.1697, 11.2260,  
0.0000

 185.9075,  
199.2118, 68.4639

 5.5748, 6.2191,  
0.0000

 227.0635,  
243.0267, 91.2810

 2.6265, 2.9788,  
0.0000

 273.8852,

 0.9595, 1.1207,

292.8366, 118.6761

0.0000

326.7377,  
349.0258, 151.0676

■ 0.0000, 0.0000,  
0.0000

■ 52.3232, 56.6080,  
8.3984

■ 52.3232, 56.6080,  
8.3984

■ 52.0178, 56.0677,  
8.0805

■ 53.2880, 58.2141,  
9.7188

■ 54.4813, 59.9359,  
12.1654

■ 55.9439, 61.7924,  
15.9483

■ 57.7077, 63.7963,  
21.2331

■ 59.7994, 65.9585,  
28.1617

■ 62.2431, 68.2889,  
36.8592

■ 65.0603, 70.7960,  
47.4388

■ 68.2707, 73.4882,  
60.0043

■ 71.8928, 76.3727,  
74.6517

# Harmonies

## Analogous

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



69.4986, 56.6080, 11.2972



52.3232, 56.6080, 8.3984



38.5597, 56.6080, 12.7356

# Triad

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



52.3232, 56.6080, 8.3984



31.4903, 56.6080, 124.1082



86.7903, 56.6080, 112.6561

# Complementary

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



52.3232, 56.6080, 8.3984



15.0025, 7.2275, 74.7326

# 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.



72.6149, 56.6080, 172.3436



52.3232, 56.6080, 8.3984



40.6705, 56.6080, 180.9808

# Square

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



52.3232, 56.6080, 8.3984



28.1546, 56.6080, 66.0174



55.3129, 56.6080, 202.0160



91.6247, 56.6080, 57.4538



# Rectangle

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



52.3232, 56.6080, 8.3984



32.4981, 56.6080, 21.6632



55.3129, 56.6080, 202.0160



82.8356, 56.6080, 133.6378

# Sweetspot

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



52.3245, 56.6107, 8.3995



82.0247, 89.4764, 56.6905



32.8032, 16.9933, 3.6644



17.2257, 18.8574, 10.8903



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.



52.3245, 56.6107, 8.3995



66.3324, 71.4448, 10.2941



40.9479, 62.6982, 10.1741



15.4144, 16.4428, 15.2658



29.8101, 32.1944, 4.6430



2.2517, 2.4767, 0.3594



# Inverse Universe

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



15.0025, 7.2275, 74.7326



18.7091, 8.5381, 95.2697



18.0093, 7.7796, 74.6807



13.7504, 14.2221, 18.1648



8.4521, 3.9663, 42.7033



0.6777, 0.3993, 3.1733



# Previews

## White Background



This preview shows how the XYZ color 52.3232, 56.6080, 8.3984 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 52.3232, 56.6080, 8.3984 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 52.3232, 56.6080, 8.3984**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.3232, 56.6080, 8.3984.



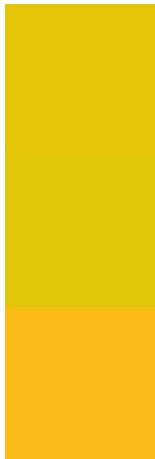
This preview shows how white text looks on a background with the XYZ color 52.3232, 56.6080,



# 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

52.3232, 56.6080, 8.3984

### Protanopia

51.2187, 56.7161, 8.5349

### Deuteranopia

57.9318, 56.5416, 8.7244



## Tritanopia

62.9467, 56.4235, 60.3965

# Trichromacy



## Original Color

52.3232, 56.6080, 8.3984

## Protanomaly

51.6074, 56.5766, 8.4588

## Deuteranomaly

55.7021, 56.3600, 8.5150

## Tritanomaly

56.4716, 55.3578, 28.1308

# Monochromacy



## Original Color

52.3232, 56.6080, 8.3984

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

45.7362, 50.1932, 25.3669

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.3232, 56.6080, 8.3984 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(229, 197, 8)` looks like.

```
.text, #text, p{  
    color:rgb(229, 197, 8)  
}
```

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(229, 197, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 197, 8) }
```

## Border

The CSS property to change the border of an element to XYZ 52.3232, 56.6080, 8.3984 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(229, 197, 8) }
```



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

```
.border{ border-color:rgb(229, 197, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 197, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 197, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 197, 8);  
box-shadow:4px 4px 4px 4px rgb(229, 197,  
8) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.3232, 56.6080, 8.3984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 197, 8) }
```

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

```
.background{ background-color: rgb(229,  
197, 8) }
```

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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