

# Converting Colors

XYZ(52.3785, 56.3050, 8.1360)

Have a look what the booklet for  
XYZ(52.3785, 56.3050, 8.1360)  
contains.

<b>XYZ(52.3785, 56.3050, 8.1360)</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(52.3785, 56.3050,  
8.1360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6C401
RGB	230, 196, 1
RGB Percent	90%, 77%, 0%
CMY	0.0980, 0.2313, 0.9960
CMYK	0.00, 0.15, 1.00, 0.10
HSL	51°, 99%, 45%
HSV	51°, 100%, 90%
XYZ	52.3785, 56.3050, 8.1360
YIQ	183.9360, 82.8590, -53.4370

# Conversions

## Conversions Part 2

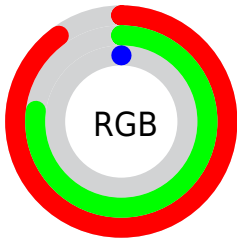
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	41, 230, 1
Decimal	15123457
CIE Lab	79.79, -2.95, 80.91
CIE LCh	80, 80.965, 92.086
Yxy	56.3050, 0.4484, 0.4820
Android (android.graphics.Color)	4293313537 (0xFFE6C401)
YUV	183.9360, -90.1874, 40.3981
Hunter-Lab	75.0367, -6.7142, 46.0970

# Details

The XYZ color **52.3785, 56.3050, 8.1360** 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 **14.8971, 6.9226, 75.4133**, and the grayscale version is **45.9778, 48.3722, 52.6774**.

A 20% lighter version of the original color is **77.6506, 91.5209, 21.9602**, and **26.1846, 28.0799, 4.0399** is the 20% darker color. If you saturate the color by 10%, you get **52.3400, 56.2371, 8.0962**, and if you desaturate by 10%, it is **53.3183, 57.9296, 9.2367**.

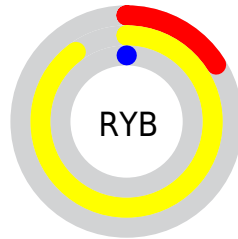
# Distribution



Red (90%)

Green (77%)

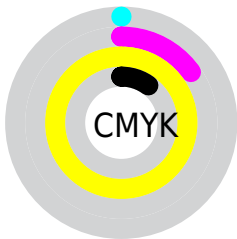
Blue (0%)



Red (16%)

Yellow (90%)

Blue (0%)

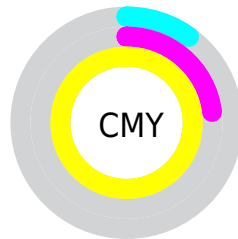


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (23%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3785, 56.3050, 8.1360 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 52.3785, 56.3050, 8.1360 by changing the saturation by 10% instead.





 52.3785, 56.3050,  
8.1360


 52.3785, 56.3050,  
8.1360


386.1961,  
410.8399, 186.7691

 37.5323, 40.4475,  
4.0931


 92.8601, 99.4504,  
22.7752

 25.7955, 27.8876,  
1.6765


 119.2263,  
127.5071, 34.2085


 16.8026, 18.2410,  
0.3446


 150.1632,  
160.3989, 48.9424

 10.1883, 11.1231,  
0.0000

 186.0362,  
198.5104, 67.3954

 5.5872, 6.1497,  
0.0000

 227.2107,  
242.2258, 89.9860

 2.6340, 2.9363,  
0.0000

 274.0519,

 0.9633, 1.0986,

291.9296, 117.1328

0.0000

326.9252,  
348.0062, 149.2544

■ 0.0000, 0.0000,  
0.0000

■ 52.3785, 56.3050,  
8.1360

■ 52.3785, 56.3050,  
8.1360

■ 52.3400, 56.2371,  
8.0962

■ 53.3183, 57.9296,  
9.2367

■ 54.4634, 59.6623,  
11.3371

■ 55.8705, 61.5282,  
14.7294

■ 57.5733, 63.5410,  
19.5911

■ 59.6005, 65.7123,  
26.0720

■ 61.9770, 68.0523,  
34.3031

■ 64.7252, 70.5701,  
44.4023

■ 67.8658, 73.2740,  
56.4770

■ 71.4176, 76.1720,  
70.6266

# Harmonies

## Analogous

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



69.6497, 56.3050, 11.1629



52.3785, 56.3050, 8.1360



38.4741, 56.3050, 12.2507

# Triad

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



52.3785, 56.3050, 8.1360



31.0281, 56.3050, 122.7573



86.4359, 56.3050, 113.9470

# Complementary

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



52.3785, 56.3050, 8.1360



14.8971, 6.9226, 75.4133

# 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.



72.0424, 56.3050, 173.8252



52.3785, 56.3050, 8.1360



40.0889, 56.3050, 180.4825

# Square

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



52.3785, 56.3050, 8.1360



27.8165, 56.3050, 64.6472



54.6703, 56.3050, 202.7681



91.5474, 56.3050, 58.0831



# Rectangle

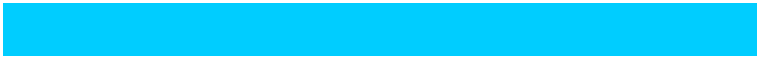
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.3785, 56.3050, 8.1360



32.3224, 56.3050, 20.9158



54.6703, 56.3050, 202.7681



82.3955, 56.3050, 135.0790

# Sweetspot

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



52.3798, 56.3077, 8.1371



81.5696, 88.9813, 55.2591



32.9528, 16.9686, 3.1574



17.1341, 18.7522, 10.6195



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.



52.3798, 56.3077, 8.1371



66.0899, 70.9599, 10.2133



40.8536, 63.0659, 10.0491



15.4097, 16.4333, 15.2642



29.7034, 31.9809, 4.6074



2.2448, 2.4629, 0.3571



# Inverse Universe

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



14.8971, 6.9226, 75.4133



18.7385, 8.5970, 95.2795



17.7013, 7.4919, 75.3754



13.7546, 14.2307, 18.1662



8.4667, 3.9956, 42.7081



0.6797, 0.4034, 3.1740



# Previews

## White Background



This preview shows how the XYZ color 52.3785, 56.3050, 8.1360 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 52.3785, 56.3050, 8.1360 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 52.3785, 56.3050, 8.1360**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.3785, 56.3050, 8.1360.



This preview shows how white text looks on a background with the XYZ color 52.3785, 56.3050,



# 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

52.3785, 56.3050, 8.1360

### Protanopia

50.6639, 56.0915, 8.3575

### Deuteranopia

57.5524, 56.3484, 8.6020



## Tritanopia

62.9674, 56.1422, 59.7423

# Trichromacy



## Original Color

52.3785, 56.3050, 8.1360

## Protanomaly

51.3577, 56.1122, 8.2675

## Deuteranomaly

55.6722, 56.3480, 8.3575

## Tritanomaly

56.3970, 55.0258, 27.0506

# Monochromacy



## Original Color

52.3785, 56.3050, 8.1360

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

45.2815, 49.6683, 24.0300

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.3785, 56.3050, 8.1360 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(230, 196, 1)` looks like.

```
.text, #text, p{  
    color:rgb(230, 196, 1)  
}
```

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(230, 196, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 196, 1) }
```

## Border

The CSS property to change the border of an element to XYZ 52.3785, 56.3050, 8.1360 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(230, 196, 1) }
```



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

```
.border{ border-color:rgb(230, 196, 1) }
```

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

Here you see how a box with a 4 pixel rgb(230, 196, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 196, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 196, 1);  
box-shadow:4px 4px 4px 4px rgb(230, 196,  
1) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.3785, 56.3050, 8.1360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 196, 1) }
```

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

```
.background{ background-color: rgb(230,  
196, 1) }
```

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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