

Converting Colors

XYZ(56.2319, 60.6010, 8.0518)

Have a look what the booklet for
XYZ(56.2319, 60.6010, 8.0518)
contains.

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Color

**XYZ(56.2810, 60.7164,
8.7531)**

Conversions

Conversions Part 1

Format	Color
Hex	EDCB00
RGB	237, 203, 0
RGB Percent	93%, 80%, 0%
CMY	0.0706, 0.2039, 0.9999
CMYK	0.00, 0.14, 1.00, 0.07
HSL	51°, 100%, 46%
HSV	51°, 100%, 93%
XYZ	56.2810, 60.7164, 8.7531
YIQ	190.0240, 85.4270, -55.9250

Conversions

Conversions Part 2

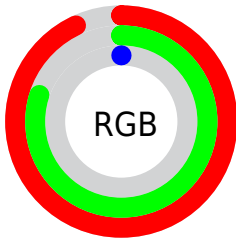
Format	Color
R _Y B	40, 237, 0
Decimal	15584000
CIE Lab	82.23, -3.52, 83.04
CIE LCh	82, 83.113, 92.429
Yxy	60.7164, 0.4476, 0.4828
Android (android.graphics.Color)	4293774080 (0xFFEDCB00)
YUV	190.0240, -93.6818, 41.1980
Hunter-Lab	77.9207, -7.4333, 47.8843

Details

The XYZ color **56.2810, 60.7164, 8.7531** 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 **15.8588, 7.2596, 80.6855**, and the grayscale version is **49.4489, 52.0241, 56.6542**.

A 20% lighter version of the original color is **78.6797, 93.4519, 22.6953**, and **28.6519, 30.7250, 4.4204** is the 20% darker color. If you saturate the color by 10%, you get **56.2814, 60.7177, 8.7533**, and if you desaturate by 10%, it is **57.2560, 62.4076, 9.8773**.

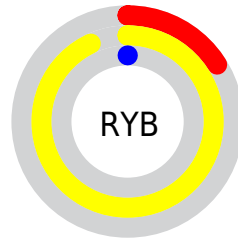
Distribution



Red (93%)

Green (80%)

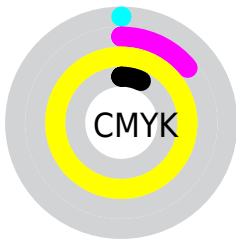
Blue (0%)



Red (16%)

Yellow (93%)

Blue (0%)

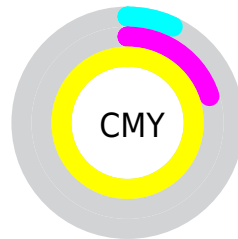


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2810, 60.7164, 8.7531 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 56.2810, 60.7164, 8.7531 by changing the saturation by 10% instead.

56.2810, 60.7164,
8.7531

56.2810, 60.7164,
8.7531

400.8075,
427.2334, 191.6750

40.6661, 43.9963,
4.4859

98.5527, 105.8682,
23.9922

28.2448, 30.6676,
1.8955

125.9403,
135.0687, 35.8012

18.6517, 20.3459,
0.4899

157.9829,
169.1982, 50.9612

11.5214, 12.6467,
0.0000

195.0458,
208.6410, 69.8907

6.4885, 7.1857,
0.0000

237.4943,
253.7815, 93.0083

3.1878, 3.5785,
0.0000

285.6939,

1.2538, 1.4407,

305.0041, 120.7325

0.0000

340.0098,
362.6933, 153.4819

■ 0.1483, 0.2464,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.2810, 60.7164,
8.7531

■ 56.2810, 60.7164,
8.7531

■ 56.2814, 60.7177,
8.7533

■ 57.2560, 62.4076,
9.8773

■ 58.4451, 64.2103,
12.0478

■ 59.9120, 66.1527,
15.5932

■ 61.6935, 68.2497,
20.7064

■ 63.8204, 70.5137,
27.5500

■ 66.3199, 72.9557,
36.2657

■ 69.2161, 75.5856,
46.9811

■ 72.5314, 78.4126,
59.8120

■ 76.2860, 81.4448,
74.8659

Harmonies

Analogous

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



74.9121, 60.7164, 11.9221



56.2810, 60.7164, 8.7531



41.3356, 60.7164, 13.2876

Triad

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



56.2810, 60.7164, 8.7531



33.5137, 60.7164, 133.2446



93.3814, 60.7164, 122.1686

Complementary

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



56.2810, 60.7164, 8.7531



15.8588, 7.2596, 80.6855

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.



77.9195, 60.7164, 186.9938



56.2810, 60.7164, 8.7531



43.3647, 60.7164, 195.3644

Square

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



56.2810, 60.7164, 8.7531



29.9782, 60.7164, 70.3204



59.1612, 60.7164, 218.8284



98.7590, 60.7164, 62.0708

Rectangle

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



56.2810, 60.7164, 8.7531



34.7461, 60.7164, 22.7495



59.1612, 60.7164, 218.8284



89.0543, 60.7164, 144.9891

Sweetspot

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



56.2824, 60.7193, 8.7543



81.6848, 89.2118, 55.2975



35.2370, 18.1297, 3.2771



17.1620, 18.8079, 10.6288



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.



56.2824, 60.7193, 8.7543



66.4209, 71.6218, 10.3236



43.6215, 67.4437, 10.7195



16.1571, 17.2372, 15.9943



30.8023, 33.2989, 4.8039



2.4691, 2.7156, 0.3940

Inverse Universe

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



15.8588, 7.2596, 80.6855



18.6985, 8.5170, 95.2662



18.8504, 7.9523, 80.6616



14.4055, 14.8975, 19.0385



8.7144, 4.0757, 44.0704



0.7387, 0.4289, 3.4787

Previews

White Background



This preview shows how the XYZ color 56.2810, 60.7164, 8.7531 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 56.2810, 60.7164, 8.7531 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 56.2810, 60.7164, 8.7531

Background



This preview shows how black text looks on a background with the XYZ color 56.2810, 60.7164, 8.7531.

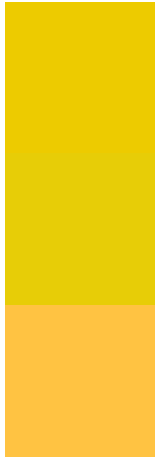


This preview shows how white text looks on a background with the XYZ color 56.2810, 60.7164,

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

56.2810, 60.7164, 8.7531

Protanopia

54.8247, 60.6669, 9.0213

Deuteranopia

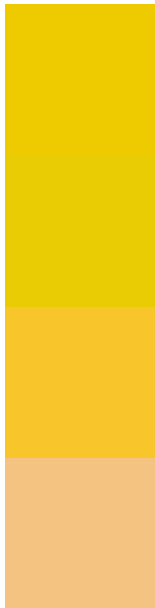
61.7385, 60.6836, 13.6134



Tritanopia

67.6885, 60.6634, 64.6416

Trichromacy



Original Color

56.2810, 60.7164, 8.7531

Protanomaly

55.2191, 60.5181, 8.8857

Deuteranomaly

59.3234, 60.5118, 10.7438

Tritanomaly

60.5625, 59.4016, 29.0426

Monochromacy



Original Color

56.2810, 60.7164, 8.7531

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.6984, 53.6761, 25.8830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2810, 60.7164, 8.7531 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(237, 203, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 203, 0)  
}
```

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(237, 203, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 203, 0) }
```

Border

The CSS property to change the border of an element to XYZ 56.2810, 60.7164, 8.7531 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(237, 203, 0) }
```


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

```
.border{ border-color:rgb(237, 203, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 203, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 203, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 203, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 203,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2810, 60.7164, 8.7531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 203, 0) }
```

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

```
.background{ background-color: rgb(237,  
203, 0) }
```

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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