

Converting Colors

XYZ(51.9987, 56.9946, 8.2604)

Have a look what the booklet for
XYZ(51.9987, 56.9946, 8.2604)
contains.

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Color

**XYZ(52.1020, 57.1777,
8.2903)**

Conversions

Conversions Part 1

Format	Color
Hex	E3C700
RGB	227, 199, 0
RGB Percent	89%, 78%, 0%
CMY	0.1098, 0.2196, 0.9999
CMYK	0.00, 0.12, 1.00, 0.11
HSL	53°, 100%, 45%
HSV	53°, 100%, 89%
XYZ	52.1020, 57.1777, 8.2903
YIQ	184.6860, 80.5670, -55.9530

Conversions

Conversions Part 2

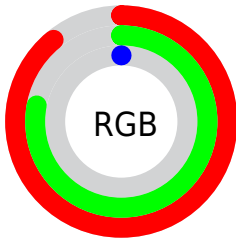
Format	Color
R_{YB}	32, 227, 0
Decimal	14927616
CIE _{Lab}	80.28, -5.79, 81.23
CIE _{LCh}	80, 81.437, 94.078
Yxy	57.1777, 0.4432, 0.4863
Android (android.graphics.Color)	4293117696 (0xFFE3C700)
YUV	184.6860, -91.0502, 37.1094
Hunter-Lab	75.6159, -9.3352, 46.4308

Details

The XYZ color **52.1020, 57.1777, 8.2903** 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 **14.2809, 6.3774, 73.1509**, and the grayscale version is **46.4009, 48.8173, 53.1620**.

A 20% lighter version of the original color is **78.6397, 93.4359, 22.4845**, and **26.2152, 28.7733, 4.1721** is the 20% darker color. If you saturate the color by 10%, you get **52.1025, 57.1791, 8.2906**, and if you desaturate by 10%, it is **52.9052, 58.5414, 9.3073**.

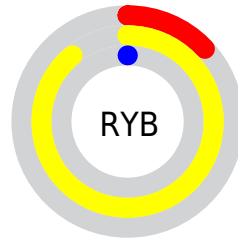
Distribution



Red (89%)

Green (78%)

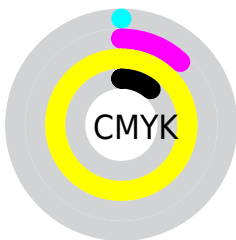
Blue (0%)



Red (13%)

Yellow (89%)

Blue (0%)

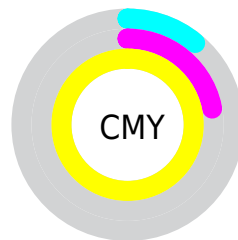


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1020, 57.1777, 8.2903 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 52.1020, 57.1777, 8.2903 by changing the saturation by 10% instead.


 52.1020, 57.1777,
8.2903


 52.1020, 57.1777,
8.2903


385.1478,
414.1148, 188.0104

 37.3110, 41.1479,
4.1908


 92.4550, 100.7244,
23.0811

 25.6231, 28.4347,
1.7306


 118.7477,
129.0102, 34.6095

 16.6731, 18.6536,
0.3816


 149.6049,
162.1500, 49.4514

 10.0956, 11.4202,
0.0000

 185.3922,
200.5284, 68.0251

 5.5251, 6.3502,
0.0000

 226.4747,
244.5297, 90.7494

 2.5964, 3.0592,
0.0000

 273.2179,

 0.9441, 1.1627,

294.5382, 118.0426

0.0000

325.9871,
350.9385, 150.3235

■ 0.0000, 0.0309,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.1020, 57.1777,
8.2903

■ 52.1020, 57.1777,
8.2903

■ 52.1025, 57.1791,
8.2906

■ 52.9052, 58.5414,
9.3073

■ 53.8972, 59.9975,
11.2655

■ 55.1365, 61.5717,
14.4669

■ 56.6561, 63.2773,
19.0850

■ 58.4837, 65.1254,
25.2653

■ 60.6437, 67.1259,
33.1357

■ 63.1577, 69.2876,
42.8104

■ 66.0458, 71.6185,
54.3941

■ 69.3262, 74.1261,
67.9832

Harmonies

Analogous

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



69.5655, 57.1777, 10.8614



52.1020, 57.1777, 8.2903



38.3178, 57.1777, 13.0256

Triad

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



52.1020, 57.1777, 8.2903



31.9200, 57.1777, 129.0037



88.4977, 57.1777, 111.5151

Complementary

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



52.1020, 57.1777, 8.2903



14.2809, 6.3774, 73.1509

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.



74.3158, 57.1777, 173.1642



52.1020, 57.1777, 8.2903



41.5253, 57.1777, 186.3744

Square

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



52.1020, 57.1777, 8.2903



28.2721, 57.1777, 69.0031



56.6529, 57.1777, 205.6707



92.9123, 57.1777, 55.9652

Rectangle

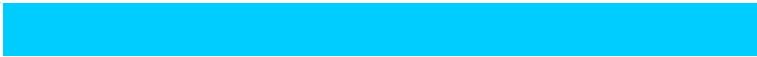
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.1020, 57.1777, 8.2903



32.3359, 57.1777, 22.4885



56.6529, 57.1777, 205.6707



84.5900, 57.1777, 132.9690

Sweetspot

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



52.1033, 57.1805, 8.2914



82.1498, 90.1418, 55.4525



31.9166, 16.4265, 2.7360



17.2747, 19.0332, 10.6664



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.



52.1033, 57.1805, 8.2914



67.7750, 74.3300, 10.7750



38.9313, 60.8469, 9.6934



15.4420, 16.4978, 15.2750



30.4451, 33.4644, 4.8546



2.2926, 2.5585, 0.3730

Inverse Universe

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



14.2809, 6.3774, 73.1509



18.5518, 8.2236, 95.2173



17.4544, 7.3968, 73.1804



13.7253, 14.1721, 18.1564



8.3734, 3.8089, 42.6770



0.6658, 0.3756, 3.1694

Previews

White Background



This preview shows how the XYZ color 52.1020, 57.1777, 8.2903 looks on a white background.

Color Contrast Check

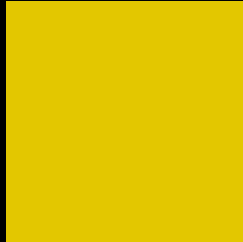
Large Text (above 18pt) WCAG AA × Fail

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 52.1020, 57.1777, 8.2903 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 52.1020, 57.1777, 8.2903

Background



This preview shows how black text looks on a background with the XYZ color 52.1020, 57.1777, 8.2903.

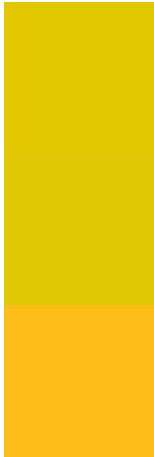


This preview shows how white text looks on a background with the XYZ color 52.1020, 57.1777,

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

52.1020, 57.1777, 8.2903

Protanopia

51.7275, 57.3249, 8.4533

Deuteranopia

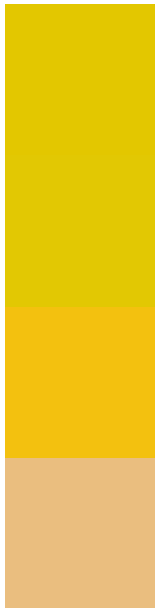
58.5073, 57.1566, 8.8128



Tritanopia

62.9177, 56.9986, 61.7185

Trichromacy



Original Color

52.1020, 57.1777, 8.2903

Protanomaly

52.0347, 57.4839, 8.4391

Deuteranomaly

56.1183, 57.2291, 8.5405

Tritanomaly

56.1759, 55.8516, 27.8983

Monochromacy



Original Color

52.1020, 57.1777, 8.2903

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.5029, 50.4143, 24.4722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1020, 57.1777, 8.2903 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, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 199, 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(227, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 199, 0) }
```

Border

The CSS property to change the border of an element to XYZ 52.1020, 57.1777, 8.2903 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, 199, 0) }
```


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

```
.border{ border-color:rgb(227, 199, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 199,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1020, 57.1777, 8.2903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 199, 0) }
```

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

```
.background{ background-color: rgb(227,  
199, 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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