

Converting Colors

XYZ(53.1993, 55.7347, 7.9540)

Have a look what the booklet for
XYZ(53.1993, 55.7347, 7.9540)
contains.

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Color

**XYZ(53.3309, 55.8021,
7.9600)**

Conversions

Conversions Part 1

Format	Color
Hex	EBC100
RGB	235, 193, 0
RGB Percent	92%, 76%, 0%
CMY	0.0784, 0.2431, 0.9999
CMYK	0.00, 0.18, 1.00, 0.08
HSL	49°, 100%, 46%
HSV	49°, 100%, 92%
XYZ	53.3309, 55.8021, 7.9600
YIQ	183.5560, 86.9850, -51.1190

Conversions

Conversions Part 2

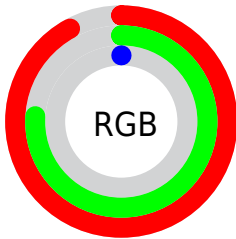
Format	Color
RYB	51, 235, 0
Decimal	15450368
CIELab	79.50, 0.76, 81.03
CIElCh	80, 81.033, 89.466
Yxy	55.8021, 0.4555, 0.4766
Android (android.graphics.Color)	4293640448 (0xFFEBC100)
YUV	183.5560, -90.4931, 45.1164
Hunter-Lab	74.7008, -3.2905, 45.9727

Details

The XYZ color **53.3309, 55.8021, 7.9600** 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 **15.8240, 7.6551, 79.2402**, and the grayscale version is **45.7671, 48.1506, 52.4360**.

A 20% lighter version of the original color is **76.7159, 89.6515, 21.6486**, and **26.8336, 27.7548, 3.9429** is the 20% darker color. If you saturate the color by 10%, you get **53.3312, 55.8032, 7.9602**, and if you desaturate by 10%, it is **54.4337, 57.7521, 9.1165**.

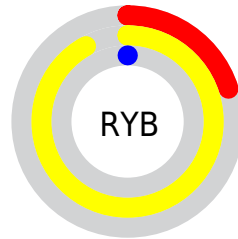
Distribution



Red (92%)

Green (76%)

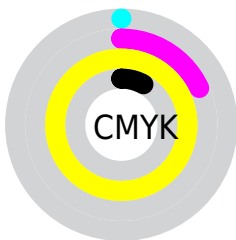
Blue (0%)



Red (20%)

Yellow (92%)

Blue (0%)

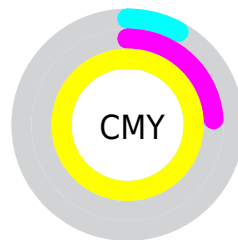


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (24%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.3309, 55.8021, 7.9600 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 53.3309, 55.8021, 7.9600 by changing the saturation by 10% instead.


 53.3309, 55.8021,
7.9600

 53.3309, 55.8021,
7.9600


389.7935,
408.9453, 185.3408

 38.2955, 40.0443,
3.9820


 94.2538, 98.7152,
22.4249

 26.3904, 27.5731,
1.6155


 120.8720,
126.6392, 33.7488

 17.2501, 18.0041,
0.3018


 152.0818,
159.3874, 48.3584

 10.5094, 10.9529,
0.0000

 188.2487,
197.3442, 66.6722

 5.8028, 6.0352,
0.0000

 229.7380,
240.8940, 89.1088

 2.7651, 2.8665,
0.0000

 276.9149,

 1.0308, 1.0624,

290.4212, 116.0868

0.0000

330.1450,
346.3102, 148.0246

■ 0.0000, 0.0000,
0.0000

■ 53.3309, 55.8021,
7.9600

■ 53.3309, 55.8021,
7.9600

■ 53.3312, 55.8032,
7.9602

■ 54.4337, 57.7521,
9.1165

■ 55.7555, 59.8301,
11.3012

■ 57.3591, 62.0636,
14.8372

■ 59.2804, 64.4675,
19.9135

■ 61.5499, 67.0541,
26.6891

■ 64.1943, 69.8345,
35.3031

■ 67.2372, 72.8185,
45.8802

■ 70.7006, 76.0152,
58.5342

■ 74.6046, 79.4330,
73.3702

Harmonies

Analogous

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



70.5963, 55.8021, 11.6181



53.3309, 55.8021, 7.9600



39.0745, 55.8021, 11.3426

Triad

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



53.3309, 55.8021, 7.9600



30.1744, 55.8021, 116.4288



84.8498, 55.8021, 118.6789

Complementary

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



53.3309, 55.8021, 7.9600



15.8240, 7.6551, 79.2402

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.



69.9858, 55.8021, 177.1048



53.3309, 55.8021, 7.9600



38.6632, 55.8021, 175.4030

Square

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



53.3309, 55.8021, 7.9600



27.4781, 55.8021, 59.9262



52.7466, 55.8021, 201.8438



90.9291, 55.8021, 61.5995

Rectangle

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



53.3309, 55.8021, 7.9600



32.6167, 55.8021, 19.1181



52.7466, 55.8021, 201.8438



80.5829, 55.8021, 139.6930

Sweetspot

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



53.3322, 55.8048, 7.9611



80.8789, 87.5999, 55.0289



34.6988, 17.8376, 3.9093



16.9671, 18.4182, 10.5639



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.



53.3322, 55.8048, 7.9611



64.1459, 67.0719, 9.5653



44.3235, 66.9507, 10.5873



16.1097, 17.1424, 15.9785



29.7670, 31.2282, 4.4588



2.3972, 2.5718, 0.3701

Inverse Universe

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



15.8240, 7.6551, 79.2402



19.0103, 9.1406, 95.3701



17.8528, 7.4715, 79.0978



14.4489, 14.9842, 19.0529



8.8718, 4.3905, 44.1228



0.7592, 0.4699, 3.4856

Previews

White Background



This preview shows how the XYZ color 53.3309, 55.8021, 7.9600 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 53.3309, 55.8021, 7.9600 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 53.3309, 55.8021, 7.9600

Background



This preview shows how black text looks on a background with the XYZ color 53.3309, 55.8021, 7.9600.

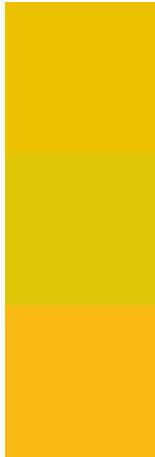


This preview shows how white text looks on a background with the XYZ color 53.3309, 55.8021,

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

53.3309, 55.8021, 7.9600

Protanopia

50.6748, 56.0959, 8.4152

Deuteranopia

56.9548, 55.7274, 8.3707



Tritanopia

63.4019, 55.5029, 57.8236

Trichromacy



Original Color

53.3309, 55.8021, 7.9600

Protanomaly

51.4514, 55.8239, 8.2356

Deuteranomaly

55.5722, 55.6548, 8.1613

Tritanomaly

56.9913, 54.4118, 26.2377

Monochromacy



Original Color

53.3309, 55.8021, 7.9600

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.6098, 49.5215, 23.9843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3309, 55.8021, 7.9600 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(235, 193, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 193, 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(235, 193, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 193, 0) }
```

Border

The CSS property to change the border of an element to XYZ 53.3309, 55.8021, 7.9600 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(235, 193, 0) }
```


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

```
.border{ border-color:rgb(235, 193, 0) }
```

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

Here you see how a box with a 4 pixel rgb(235, 193, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 193, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 193, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 193,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3309, 55.8021, 7.9600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 193, 0) }
```

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

```
.background{ background-color: rgb(235,  
193, 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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