

Converting Colors

XYZ(51.1829, 55.3630, 7.9885)

Have a look what the booklet for
XYZ(51.1829, 55.3630, 7.9885)
contains.

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Color

**XYZ(51.1937, 55.3611,
7.9876)**

Conversions

Conversions Part 1

Format	Color
Hex	E3C300
RGB	227, 195, 0
RGB Percent	89%, 76%, 0%
CMY	0.1098, 0.2353, 0.9999
CMYK	0.00, 0.14, 1.00, 0.11
HSL	52°, 100%, 45%
HSV	52°, 100%, 89%
XYZ	51.1937, 55.3611, 7.9876
YIQ	182.3380, 81.6670, -53.8610

Conversions

Conversions Part 2

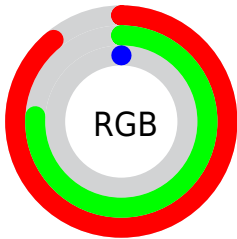
Format	Color
R_{YB}	37, 227, 0
Decimal	14926592
CIE _{Lab}	79.25, -3.74, 80.50
CIE _{LCh}	79, 80.585, 92.661
Yxy	55.3611, 0.4469, 0.4833
Android (android.graphics.Color)	4293116672 (0xFFE3C300)
YUV	182.3380, -89.8926, 39.1686
Hunter-Lab	74.4050, -7.3935, 45.7186

Details

The XYZ color **51.1937, 55.3611, 7.9876** 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 **14.3823, 6.5801, 73.1846**, and the grayscale version is **45.0947, 47.4432, 51.6656**.

A 20% lighter version of the original color is **77.3374, 90.8945, 21.8558**, and **25.6094, 27.5615, 3.9701** is the 20% darker color. If you saturate the color by 10%, you get **51.1941, 55.3622, 7.9878**, and if you desaturate by 10%, it is **52.0714, 56.8738, 9.0295**.

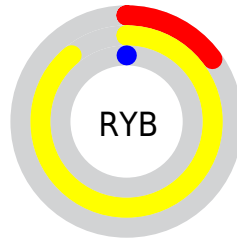
Distribution



Red (89%)

Green (76%)

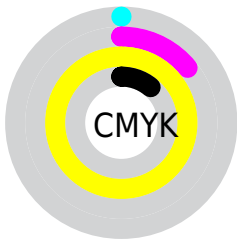
Blue (0%)



Red (15%)

Yellow (89%)

Blue (0%)

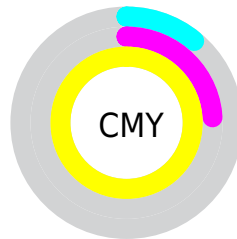


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (11%)



Cyan (11%)

Magenta (24%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1937, 55.3611, 7.9876 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 51.1937, 55.3611, 7.9876 by changing the saturation by 10% instead.

51.1937, 55.3611,
7.9876

51.1937, 55.3611,
7.9876

381.6912,
407.2793, 185.5657

36.5845, 39.6909,
3.9994

91.1223, 98.0698,
22.4799

25.0581, 27.2976,
1.6250

117.1724,
125.8771, 33.8210

16.2493, 17.7969,
0.3086

147.7668,
158.4990, 48.4502

9.7927, 10.8043,
0.0000

183.2709,
196.3197, 66.7860

5.3229, 5.9354,
0.0000

224.0500,
239.7236, 89.2469

2.4747, 2.8058,
0.0000

270.4695,

0.8825, 1.0312,

289.0953, 116.2514

0.0000

322.8948,
344.8191, 148.2182

■ 0.0000, 0.0000,
0.0000

■ 51.1937, 55.3611,
7.9876

■ 51.1937, 55.3611,
7.9876

■ 51.1941, 55.3622,
7.9878

■ 52.0714, 56.8738,
9.0295

■ 53.1415, 58.4861,
11.0137

■ 54.4625, 60.2236,
14.2424

■ 56.0673, 62.0997,
18.8890

■ 57.9839, 64.1256,
25.0991

■ 60.2364, 66.3112,
33.0004

■ 62.8467, 68.6654,
42.7073

■ 65.8348, 71.1963,
54.3244

■ 69.2190, 73.9114,
67.9482

Harmonies

Analogous

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



68.1703, 55.3611, 10.8202



51.1937, 55.3611, 7.9876



37.6064, 55.3611, 12.1848

Triad

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



51.1937, 55.3611, 7.9876



30.6067, 55.3611, 121.9690



85.2209, 55.3611, 110.9066

Complementary

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



51.1937, 55.3611, 7.9876



14.3823, 6.5801, 73.1846

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.



71.1743, 55.3611, 170.0982



51.1937, 55.3611, 7.9876



39.6333, 55.3611, 178.4579

Square

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



51.1937, 55.3611, 7.9876



27.3398, 55.3611, 64.4929



54.0706, 55.3611, 199.4714



90.0357, 55.3611, 56.2524

Rectangle

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



51.1937, 55.3611, 7.9876



31.6288, 55.3611, 20.8863



54.0706, 55.3611, 199.4714



81.2982, 55.3611, 131.7097

Sweetspot

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



51.1949, 55.3638, 7.9887



81.7422, 89.3265, 55.3166



31.9683, 16.4472, 3.0084



17.1759, 18.8357, 10.6335



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.



51.1949, 55.3638, 7.9887



66.5863, 71.9526, 10.3788



39.6019, 61.1926, 9.7248



15.4193, 16.4526, 15.2674



29.9219, 32.4180, 4.6803



2.2589, 2.4911, 0.3618

Inverse Universe

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



14.3823, 6.5801, 73.1846



18.6792, 8.4783, 95.2597



17.1286, 7.2288, 73.1651



13.7459, 14.2132, 18.1633



8.4373, 3.9366, 42.6983



0.6756, 0.3951, 3.1726

Previews

White Background



This preview shows how the XYZ color 51.1937, 55.3611, 7.9876 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 51.1937, 55.3611, 7.9876 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 51.1937, 55.3611, 7.9876

Background



This preview shows how black text looks on a background with the XYZ color 51.1937, 55.3611, 7.9876.

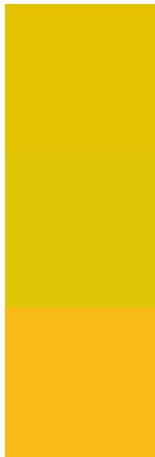


This preview shows how white text looks on a background with the XYZ color 51.1937, 55.3611,

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

51.1937, 55.3611, 7.9876

Protanopia

50.1233, 55.4752, 8.2383

Deuteranopia

56.4151, 55.1322, 8.4272



Tritanopia

61.6341, 55.1650, 59.0292

Trichromacy



Original Color

51.1937, 55.3611, 7.9876

Protanomaly

50.5023, 55.3359, 8.1340

Deuteranomaly

54.2120, 54.9522, 8.1650

Tritanomaly

55.1287, 54.0655, 26.5989

Monochromacy



Original Color

51.1937, 55.3611, 7.9876

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.2114, 48.8074, 23.6136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1937, 55.3611, 7.9876 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, 195, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 195, 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, 195, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 195, 0) }
```

Border

The CSS property to change the border of an element to XYZ 51.1937, 55.3611, 7.9876 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, 195, 0) }
```


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

```
.border{ border-color:rgb(227, 195, 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, 195, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 195, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 195, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 195,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1937, 55.3611, 7.9876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 195, 0) }
```

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

```
.background{ background-color: rgb(227,  
195, 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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