

Converting Colors

XYZ(51.4099, 55.3149, 7.9672)

Have a look what the booklet for
XYZ(51.4099, 55.3149, 7.9672)
contains.

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Color

**XYZ(51.5100, 55.5242,
8.0024)**

Conversions

Conversions Part 1

Format	Color
Hex	E4C300
RGB	228, 195, 0
RGB Percent	89%, 76%, 0%
CMY	0.1059, 0.2353, 0.9999
CMYK	0.00, 0.14, 1.00, 0.11
HSL	51°, 100%, 45%
HSV	51°, 100%, 89%
XYZ	51.5100, 55.5242, 8.0024
YIQ	182.6370, 82.2630, -53.6490

Conversions

Conversions Part 2

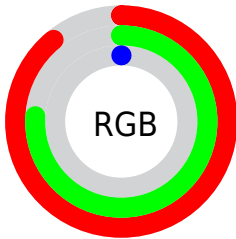
Format	Color
R _Y B	39, 228, 0
Decimal	14992128
CIE Lab	79.34, -3.31, 80.61
CIE LCh	79, 80.676, 92.350
Yxy	55.5242, 0.4478, 0.4827
Android (android.graphics.Color)	4293182208 (0xFFE4C300)
YUV	182.6370, -90.0400, 39.7834
Hunter-Lab	74.5146, -7.0080, 45.7928

Details

The XYZ color **51.5100, 55.5242, 8.0024** 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 **14.5481, 6.6901, 73.9227**, and the grayscale version is **45.2596, 47.6166, 51.8545**.

A 20% lighter version of the original color is **77.3374, 90.8945, 21.8558**, and **25.8214, 27.6708, 3.9801** is the 20% darker color. If you saturate the color by 10%, you get **51.5104, 55.5253, 8.0026**, and if you desaturate by 10%, it is **52.4116, 57.0831, 9.0571**.

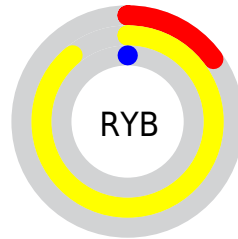
Distribution



Red (89%)

Green (76%)

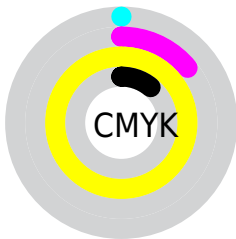
Blue (0%)



Red (15%)

Yellow (89%)

Blue (0%)

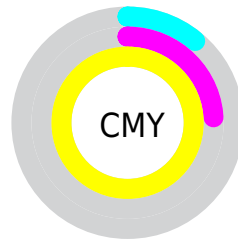


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (24%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5100, 55.5242, 8.0024 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 51.5100, 55.5242, 8.0024 by changing the saturation by 10% instead.


 51.5100, 55.5242,
8.0024


 51.5100, 55.5242,
8.0024


382.8971,
407.8959, 185.6861

 36.8373, 39.8216,
4.0087


 91.5867, 98.3086,
22.5094


 25.2547, 27.3995,
1.6301


 117.7215,
126.1591, 33.8598

 16.3966, 17.8735,
0.3122


 148.4076,
158.8277, 48.4994

 9.8979, 10.8592,
0.0000

 184.0106,
196.6988, 66.8469

 5.3930, 5.9722,
0.0000

 224.8956,
240.1568, 89.3208

 2.5168, 2.8282,
0.0000

 271.4282,

 0.9037, 1.0427,

289.5860, 116.3396

0.0000

323.9735,
345.3710, 148.3219

■ 0.0000, 0.0000,
0.0000

■ 51.5100, 55.5242,
8.0024

■ 51.5100, 55.5242,
8.0024

■ 51.5104, 55.5253,
8.0026

■ 52.4116, 57.0831,
9.0571

■ 53.5084, 58.7443,
11.0646

■ 54.8596, 60.5336,
14.3295

■ 56.4984, 62.4647,
19.0271

■ 58.4529, 64.5488,
25.3048

■ 60.7478, 66.7960,
33.2915

■ 63.4051, 69.2153,
43.1030

■ 66.4449, 71.8148,
54.8449

■ 69.8859, 74.6022,
68.6148

Harmonies

Analogous

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



68.5516, 55.5242, 10.9197



51.5100, 55.5242, 8.0024



37.8291, 55.5242, 12.1279

Triad

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



51.5100, 55.5242, 8.0024



30.6312, 55.5242, 121.6883



85.3699, 55.5242, 111.8868

Complementary

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



51.5100, 55.5242, 8.0024



14.5481, 6.6901, 73.9227

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.



71.2129, 55.5242, 171.1395



51.5100, 55.5242, 8.0024



39.6247, 55.5242, 178.5470

Square

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



51.5100, 55.5242, 8.0024



27.4127, 55.5242, 64.1799



54.0587, 55.5242, 200.1337



90.3178, 55.5242, 56.8798

Rectangle

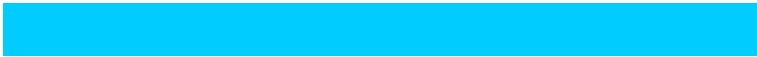
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.5100, 55.5242, 8.0024



31.7927, 55.5242, 20.7556



54.0587, 55.5242, 200.1337



81.4052, 55.5242, 132.7572

Sweetspot

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



51.5112, 55.5269, 8.0035



81.6555, 89.1530, 55.2877



32.2868, 16.6111, 3.0346



17.1549, 18.7937, 10.6265



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.



51.5112, 55.5269, 8.0035



66.3364, 71.4527, 10.2955



39.9936, 61.8016, 9.8217



15.4145, 16.4429, 15.2658



29.8119, 32.1979, 4.6436



2.2518, 2.4769, 0.3594

Inverse Universe

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



14.5481, 6.6901, 73.9227



18.7086, 8.5372, 95.2695



17.2964, 7.2993, 73.8954



13.7503, 14.2220, 18.1647



8.4519, 3.9659, 42.7032



0.6777, 0.3992, 3.1733

Previews

White Background



This preview shows how the XYZ color 51.5100, 55.5242, 8.0024 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 51.5100, 55.5242, 8.0024 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 51.5100, 55.5242, 8.0024

Background



This preview shows how black text looks on a background with the XYZ color 51.5100, 55.5242, 8.0024.

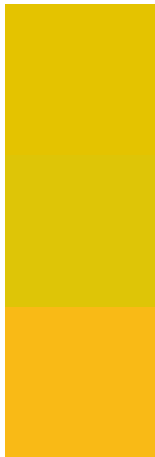


This preview shows how white text looks on a background with the XYZ color 51.5100, 55.5242,

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

51.5100, 55.5242, 8.0024

Protanopia

50.1288, 55.4774, 8.2672

Deuteranopia

56.7706, 55.3155, 8.4439



Tritanopia

61.9708, 55.3386, 59.0450

Trichromacy



Original Color

51.5100, 55.5242, 8.0024

Protanomaly

50.5023, 55.3359, 8.1340

Deuteranomaly

54.5525, 55.1277, 8.1809

Tritanomaly

55.4579, 54.2352, 26.6143

Monochromacy



Original Color

51.5100, 55.5242, 8.0024

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.4759, 48.9437, 23.6259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5100, 55.5242, 8.0024 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(228, 195, 0)` looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 195, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 195, 0) }
```

Border

The CSS property to change the border of an element to XYZ 51.5100, 55.5242, 8.0024 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(228, 195, 0) }
```


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

```
.border{ border-color:rgb(228, 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(228, 195, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 195, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 195, 0);  
box-shadow:4px 4px 4px 4px rgb(228, 195,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5100, 55.5242, 8.0024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 195, 0) }
```

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

```
.background{ background-color: rgb(228,  
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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