

# Converting Colors

XYZ(51.6855, 55.5944, 8.9264)

Have a look what the booklet for  
XYZ(51.6855, 55.5944, 8.9264)  
contains.

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# Color

**XYZ(51.6855, 55.5944,  
8.9264)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4C319
RGB	228, 195, 25
RGB Percent	89%, 76%, 10%
CMY	0.1059, 0.2353, 0.9019
CMYK	0.00, 0.14, 0.89, 0.11
HSL	50°, 80%, 50%
HSV	50°, 89%, 89%
XYZ	51.6855, 55.5944, 8.9264
YIQ	185.4870, 74.2380, -45.8740

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	64, 228, 25
Decimal	14992153
CIELab	79.38, -3.02, 77.57
CIElCh	79, 77.628, 92.228
Yxy	55.5944, 0.4448, 0.4784
Android (android.graphics.Color)	4293182233 (0xFFE4C319)
YUV	185.4870, -79.1201, 37.2839
Hunter-Lab	74.5617, -6.7482, 45.0951

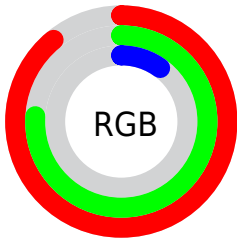
# Details

The XYZ color **51.6855, 55.5944, 8.9264** is a light color, and the websafe version is hex **FFCC33**.

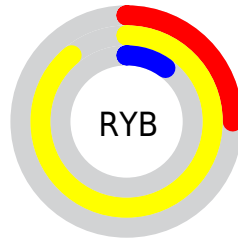
The color can be described as light washed yellow. A complement of this color would be **15.9180, 8.8348, 74.2645**, and the grayscale version is **46.7863, 49.2228, 53.6036**.

A 20% lighter version of the original color is **77.6689, 91.0271, 23.6016**, and **25.8214, 27.6708, 3.9801** is the 20% darker color. If you saturate the color by 10%, you get **50.7032, 53.8915, 7.7933**, and if you desaturate by 10%, it is **52.8815, 57.4202, 11.0720**.

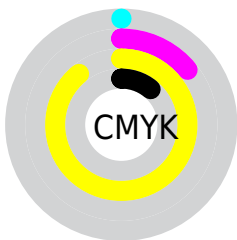
# Distribution



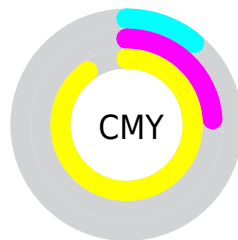
- Red (89%)
- Green (76%)
- Blue (10%)



- Red (25%)
- Yellow (89%)
- Blue (10%)



- Cyan (0%)
- Magenta (14%)
- Yellow (89%)
- Black (11%)




- Cyan (11%)
- Magenta (24%)
- Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6855, 55.5944, 8.9264 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 51.6855, 55.5944, 8.9264 by changing the saturation by 10% instead.





 51.6855, 55.5944,  
8.9264


 51.6855, 55.5944,  
8.9264


383.5652,  
408.1612, 193.0257


 36.9777, 39.8778,  
4.5970


 91.8442, 98.4113,  
24.3310


 25.3638, 27.4433,  
1.9583


 118.0259,  
126.2804, 36.2433

 16.4785, 17.9064,  
0.5294


 148.7629,  
158.9692, 51.5204

 9.9564, 10.8828,  
0.0000

 184.4205,  
196.8619, 70.5807

 5.4321, 5.9881,  
0.0000

 225.3642,  
240.3431, 93.8429

 2.5403, 2.8378,  
0.0000

 271.9594,

 0.9156, 1.0477,

289.7971, 121.7254

0.0000

324.5712,  
345.6083, 154.6468

■ 0.0000, 0.0000,  
0.0000

■ 51.6855, 55.5944,  
8.9264

■ 51.6855, 55.5944,  
8.9264

■ 50.7032, 53.8915,  
7.7933

■ 52.8815, 57.4202,  
11.0720

■ 50.6126, 53.7297,  
7.7033

■ 54.3383, 59.3812,  
14.4939

■ 56.0898, 61.4937,  
19.3650

■ 58.1639, 63.7688,  
25.8306

■ 60.5848, 66.2166,  
34.0184

■ 63.3746, 68.8459,  
44.0430

■ 66.5531, 71.6652,  
56.0091

■ 70.1390, 74.6819,  
70.0137

■ 74.1495, 77.9033,  
86.1472

# Harmonies

## Analogous

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



68.0503, 55.5944, 11.9538



51.6855, 55.5944, 8.9264



38.4318, 55.5944, 13.1201

# Triad

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



51.6855, 55.5944, 8.9264



31.3498, 55.5944, 118.7217



83.9955, 55.5944, 109.9038

# Complementary

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



51.6855, 55.5944, 8.9264



15.9180, 8.8348, 74.2645

# 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.



70.4644, 55.5944, 165.8573



51.6855, 55.5944, 8.9264



40.0853, 55.5944, 172.4698

# Square

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



51.6855, 55.5944, 8.9264



28.2200, 55.5944, 63.9275



54.0132, 55.5944, 192.9450



88.7476, 55.5944, 57.2605



# Rectangle

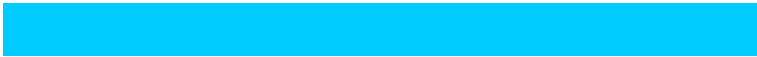
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.6855, 55.5944, 8.9264



32.5367, 55.5944, 21.7450



54.0132, 55.5944, 192.9450



80.2074, 55.5944, 129.6829

# Sweetspot

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



51.6868, 55.5971, 8.9275



82.4122, 89.3982, 59.4500



33.1279, 17.5038, 5.7489



17.3565, 18.8765, 11.6814



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.



51.6868, 55.5971, 8.9275



65.1736, 69.1272, 9.9079



42.4834, 63.0649, 10.8540



15.3917, 16.3973, 15.2582



29.2997, 31.1736, 4.4728



2.2186, 2.4106, 0.3484



# Inverse Universe

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



15.9180, 8.8348, 74.2645



18.8585, 8.8370, 95.3195



18.8327, 8.6074, 74.0670



13.7711, 14.2636, 18.1717



8.5259, 4.1138, 42.7279



0.6875, 0.4190, 3.1766



# Previews

## White Background



This preview shows how the XYZ color 51.6855, 55.5944, 8.9264 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

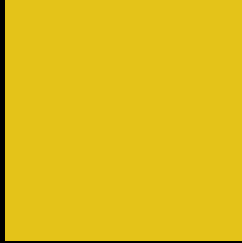
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.6855, 55.5944, 8.9264 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 51.6855, 55.5944, 8.9264

## Background



This preview shows how black text looks on a background with the XYZ color 51.6855, 55.5944, 8.9264.



This preview shows how white text looks on a background with the XYZ color 51.6855, 55.5944,



# 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

51.6855, 55.5944, 8.9264

### Protanopia

50.2769, 55.5367, 9.0471

### Deuteranopia

56.7424, 55.6014, 9.1080



## Tritanopia

61.9708, 55.3386, 59.0450

# Trichromacy



## Original Color

51.6855, 55.5944, 8.9264

## Protanomaly

50.6669, 55.4017, 9.0005

## Deuteranomaly

54.9109, 55.6164, 9.0033

## Tritanomaly

56.0535, 54.4734, 29.7504

# Monochromacy



## Original Color

51.6855, 55.5944, 8.9264

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

46.1158, 50.3450, 27.3657

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.6855, 55.5944, 8.9264 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, 25)` looks like.

```
.text, #text, p{  
    color:rgb(228, 195, 25)  
}
```

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, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 195, 25) }
```

## Border

The CSS property to change the border of an element to XYZ 51.6855, 55.5944, 8.9264 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, 25) }
```



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

```
.border{ border-color:rgb(228, 195, 25) }
```

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, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 195, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 195, 25);  
box-shadow:4px 4px 4px 4px rgb(228, 195,  
25) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.6855, 55.5944, 8.9264 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, 25) }
```

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

```
.background{ background-color: rgb(228,  
195, 25) }
```

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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