

# Converting Colors

XYZ(20.0773, 29.4835, 8.5254)

Have a look what the booklet for  
XYZ(20.0773, 29.4835, 8.5254)  
contains.

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# Color

**XYZ(20.0893, 29.4511,  
8.4967)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6EA239
RGB	110, 162, 57
RGB Percent	43%, 64%, 22%
CMY	0.5686, 0.3647, 0.7765
CMYK	0.32, 0.00, 0.65, 0.36
HSL	90°, 48%, 43%
HSV	90°, 65%, 64%
XYZ	20.0893, 29.4511, 8.4967
YIQ	134.4820, 2.7130, -43.6790

# Conversions

## Conversions Part 2

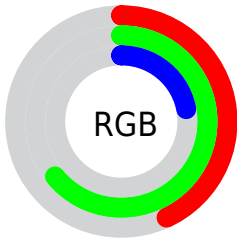
<b>Format</b>	<b>Color</b>
<b>RYB</b>	57, 162, 109
Decimal	7250489
CIELab	61.18, -34.83, 47.60
CIElCh	61, 58.979, 126.191
Yxy	29.4511, 0.3461, 0.5075
Android (android.graphics.Color)	4285440569 (0xFF6EA239)
YUV	134.4820, -38.1986, -21.4707
Hunter-Lab	54.2689, -28.8932, 28.7054

# Details

The XYZ color **20.0893, 29.4511, 8.4967** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.2927, 8.7870, 35.1269**, and the grayscale version is **22.9742, 24.1706, 26.3218**.

A 20% lighter version of the original color is **43.0902, 58.7292, 23.5328**, and **7.2633, 12.0217, 1.9376** is the 20% darker color. If you saturate the color by 10%, you get **18.7946, 28.8241, 6.6528**, and if you desaturate by 10%, it is **21.6048, 30.1789, 11.0252**.

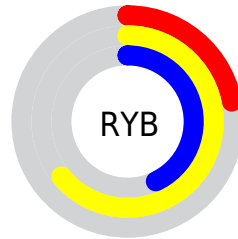
# Distribution



Red (43%)

Green (64%)

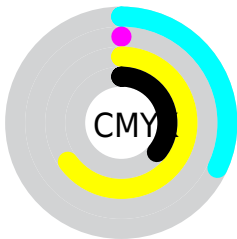
Blue (22%)



Red (22%)

Yellow (64%)

Blue (43%)

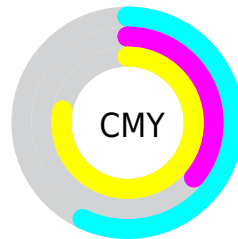


Cyan (32%)

Magenta (0%)

Yellow (65%)

Black (36%)



Cyan (57%)

Magenta (36%)


Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0893, 29.4511, 8.4967 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 20.0893, 29.4511, 8.4967 by changing the saturation by 10% instead.





 20.0893, 29.4511,  
8.4967


 20.0893, 29.4511,  
8.4967


245.2225,  
299.3375, 189.6553


 12.5686, 19.4223,  
4.3221

 43.0697, 58.7930,  
23.4886

 7.2071, 11.9758,  
1.8037


 59.2600, 78.8750,  
35.1430


 3.6394, 6.7272,  
0.4304


 79.0710, 103.0768,  
50.1277

 1.5002, 3.2921,  
0.0000

 102.8680,  
131.7829, 68.8613

 0.3260, 1.2861,  
0.0000

 131.0162,  
165.3776, 91.7623

 0.0000, 0.1304,  
0.0000

 163.8812,

 0.0000, 0.0000,

204.2453, 119.2493

0.0000

201.8281,  
248.7705, 151.7408

■ 20.0893, 29.4511,  
8.4967

■ 20.0893, 29.4511,  
8.4967

■ 18.7946, 28.8241,  
6.6528

■ 21.6048, 30.1789,  
11.0252

■ 17.7035, 28.2876,  
5.4244

■ 23.3523, 31.0092,  
14.2950

■ 16.7983, 27.8354,  
4.7287

■ 25.3448, 31.9485,  
18.3589

■ 16.3805, 27.6254,  
4.4689

■ 27.5932, 33.0014,  
23.2645

■ 30.1082, 34.1723,  
29.0557

■ 32.8992, 35.4653,  
35.7731

■ 35.9756, 36.8844,  
43.4550

■ 39.3461, 38.4333,  
52.1375

■ 43.0189, 40.1154,  
61.8548

# Harmonies

## Analogous

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



26.4173, 29.4511, 5.6120



20.0893, 29.4511, 8.4967



16.4609, 29.4511, 17.7502

# Triad

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



20.0893, 29.4511, 8.4967



22.4019, 29.4511, 89.0355



45.5563, 29.4511, 27.6853

# Complementary

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



20.0893, 29.4511, 8.4967



14.2927, 8.7870, 35.1269

# 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.



43.9427, 29.4511, 52.5442



20.0893, 29.4511, 8.4967



29.6288, 29.4511, 95.8813

# Square

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



20.0893, 29.4511, 8.4967



17.6138, 29.4511, 64.4092



37.7361, 29.4511, 80.2574



41.8095, 29.4511, 12.9042



# Rectangle

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



20.0893, 29.4511, 8.4967



15.6098, 29.4511, 29.3171



37.7361, 29.4511, 80.2574



45.6310, 29.4511, 34.9842

# Sweetspot

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



20.0900, 29.4524, 8.4973



52.5193, 61.0408, 47.7606



20.9762, 18.6504, 6.3656



11.5179, 13.5801, 10.0903



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.0900, 29.4524, 8.4973



33.1491, 51.8508, 10.9044



15.4486, 27.0597, 8.2801



7.3103, 8.0624, 7.5510



12.9542, 21.7886, 3.5229



0.3267, 0.4859, 0.0766



# Inverse Universe

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



14.2927, 8.7870, 35.1269



21.7898, 11.3486, 63.0982



22.5332, 13.0351, 35.5125



7.0189, 7.0241, 8.8889



7.8094, 3.4324, 27.1807



0.2186, 0.1002, 0.5737



# Previews

## White Background



This preview shows how the XYZ color 20.0893, 29.4511, 8.4967 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0893, 29.4511, 8.4967 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 20.0893, 29.4511, 8.4967**

## **Background**



This preview shows how black text looks on a background with the XYZ color 20.0893, 29.4511, 8.4967.



This preview shows how white text looks on a background with the XYZ color 20.0893, 29.4511,



# 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

20.0893, 29.4511, 8.4967

### Protanopia

26.3862, 29.0170, 7.5783

### Deuteranopia

29.5949, 29.0714, 8.9020



## Tritanopia

26.3865, 29.4968, 39.4247

# Trichromacy



## Original Color

20.0893, 29.4511, 8.4967

## Protanomaly

23.3957, 28.6521, 7.7874

## Deuteranomaly

25.1425, 28.5847, 8.6071

## Tritanomaly

23.3359, 29.2507, 23.8181

# Monochromacy



## Original Color

20.0893, 29.4511, 8.4967

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

21.0322, 25.3471, 17.4196

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 20.0893, 29.4511, 8.4967 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(110, 162, 57)` looks like.

```
.text, #text, p{  
    color:rgb(110, 162, 57)  
}
```

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(110, 162, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 162, 57) }
```

## Border

The CSS property to change the border of an element to XYZ 20.0893, 29.4511, 8.4967 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(110, 162, 57) }
```



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

```
.border{ border-color:rgb(110, 162, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 162, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 162, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 162, 57);  
box-shadow:4px 4px 4px 4px rgb(110, 162,  
57) }
```

# Background

The CSS property to change the background color of an element to XYZ 20.0893, 29.4511, 8.4967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 162, 57) }
```

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

```
.background{ background-color: rgb(110,  
162, 57) }
```

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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