

# Converting Colors

XYZ(63.2635, 68.6952, 27.2519)

Have a look what the booklet for  
XYZ(63.2635, 68.6952, 27.2519)  
contains.

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# Color

**XYZ(63.1455, 68.6208,  
27.3698)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EED877
RGB	238, 216, 119
RGB Percent	93%, 85%, 47%
CMY	0.0667, 0.1529, 0.5333
CMYK	0.00, 0.09, 0.50, 0.07
HSL	49°, 78%, 70%
HSV	49°, 50%, 93%
XYZ	63.1455, 68.6208, 27.3698
YIQ	211.5200, 44.2490, -25.5030

# Conversions

## Conversions Part 2

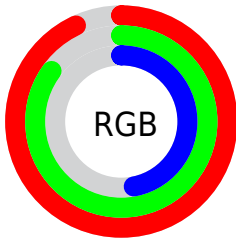
Format	Color
R <sub>Y</sub> B	146, 238, 119
Decimal	15652983
CIE Lab	86.32, -4.73, 50.19
CIE LCh	86, 50.408, 95.385
Yxy	68.6208, 0.3968, 0.4312
Android (android.graphics.Color)	4293843063 (0xFFEED877)
YUV	211.5200, -45.6124, 23.2230
Hunter-Lab	82.8377, -8.8989, 38.3968

# Details

The XYZ color **63.1455, 68.6208, 27.3698** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **32.5650, 29.1437, 84.7975**, and the grayscale version is **62.5346, 65.7913, 71.6467**.

A 20% lighter version of the original color is **84.5428, 95.7971, 53.5700**, and **32.5804, 35.5983, 10.4642** is the 20% darker color. If you saturate the color by 10%, you get **60.7800, 65.8980, 20.3910**, and if you desaturate by 10%, it is **65.9024, 71.5535, 36.2461**.

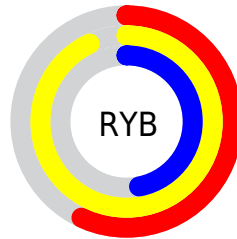
# Distribution



Red (93%)

Green (85%)

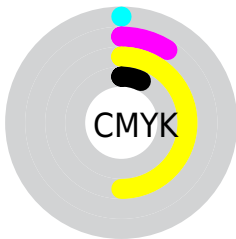
Blue (47%)



Red (57%)

Yellow (93%)

Blue (47%)

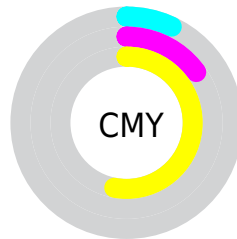


Cyan (0%)

Magenta (9%)

Yellow (50%)

Black (7%)



Cyan (7%)

Magenta (15%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1455, 68.6208, 27.3698 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 63.1455, 68.6208, 27.3698 by changing the saturation by 10% instead.



63.1455, 68.6208,  
27.3698

63.1455, 68.6208,  
27.3698

425.7486,  
455.6924, 303.2598

46.2180, 50.4029,  
17.6163

108.4600,  
117.2398, 56.4876

32.6232, 35.7337,  
10.5083

137.5778,  
148.4097, 76.6890

21.9958, 24.2286,  
5.6272

171.4897,  
184.6658, 101.2101

13.9704, 15.5033,  
2.5547

210.5611,  
226.3925, 130.4694

8.1817, 9.1733,  
0.8689

255.1573,  
273.9741, 164.8855

4.2642, 4.8544,  
0.0000

305.6437,

1.8527, 2.1621,

327.7950, 204.8769

0.0000

362.3857,  
388.2396, 250.8622

■ 0.5491, 0.6992,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.1455, 68.6208,  
27.3698

■ 63.1455, 68.6208,  
27.3698

■ 60.7800, 65.8980,  
20.3910

■ 65.9024, 71.5535,  
36.2461

■ 58.7735, 63.3641,  
15.1621


■ 69.0703, 74.6968,  
47.1445


■ 57.0962, 61.0094,  
11.5202


■ 72.6735, 78.0632,  
60.1837


■ 55.7108, 58.8187,  
9.2703


■ 76.7327, 81.6613,  
75.4720


 54.5543, 56.7663,  
8.0817


 81.2673, 85.4993,  
93.1107

 54.5542, 56.7660,  
8.0816

 85.1807, 89.1390,  
107.3238

 86.5086, 91.7948,  
107.7664

 87.8682, 94.5141,  
108.2196

 89.0697, 96.9171,  
108.6201

# Harmonies

## Analogous

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



74.9876, 68.6208, 30.3038



63.1455, 68.6208, 27.3698



53.1097, 68.6208, 33.7183

# Triad

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



63.1455, 68.6208, 27.3698



48.6352, 68.6208, 118.2814



87.7400, 68.6208, 104.6952

# Complementary

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



63.1455, 68.6208, 27.3698



32.5650, 29.1437, 84.7975

# 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.



79.0486, 68.6208, 140.0443



63.1455, 68.6208, 27.3698



56.3434, 68.6208, 149.3827

# Square

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



63.1455, 68.6208, 27.3698



45.3940, 68.6208, 80.8903



67.3436, 68.6208, 158.3446



90.1175, 68.6208, 68.8649



# Rectangle

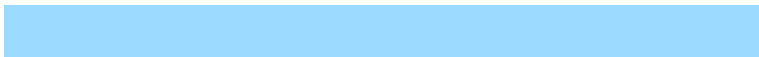
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.1455, 68.6208, 27.3698



48.4934, 68.6208, 43.9188



67.3436, 68.6208, 158.3446



85.4133, 68.6208, 117.3256

# Sweetspot

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



63.1472, 68.6240, 27.3712



87.2779, 93.3489, 78.8934



46.7998, 33.3486, 29.8784



18.4688, 19.7913, 16.0903



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.



63.1472, 68.6240, 27.3712



71.0315, 77.0057, 23.6902



58.3428, 75.0793, 28.8704



16.8601, 17.9332, 16.7226



30.5247, 31.8475, 4.5384



2.6030, 2.7767, 0.3988



# Inverse Universe

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



32.5650, 29.1437, 84.7975



31.5491, 26.0840, 97.9796



35.4901, 26.3064, 84.0956



15.1336, 15.7013, 19.9546



9.1800, 4.5842, 45.5289



0.8288, 0.5116, 3.8093



# Previews

## White Background



This preview shows how the XYZ color 63.1455, 68.6208, 27.3698 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 63.1455, 68.6208, 27.3698 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 63.1455, 68.6208, 27.3698

## Background



This preview shows how black text looks on a background with the XYZ color 63.1455, 68.6208, 27.3698.



This preview shows how white text looks on a background with the XYZ color 63.1455, 68.6208,



# 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

63.1455, 68.6208, 27.3698

### Protanopia

63.1455, 68.6208, 27.3698

### Deuteranopia

68.9842, 68.4471, 36.7699



## Tritanopia

73.2225, 68.3095, 77.0360

# Trichromacy



## Original Color

63.1455, 68.6208, 27.3698

## Protanomaly

63.1455, 68.6208, 27.3698

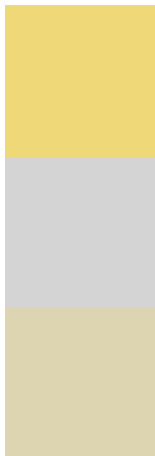
## Deuteranomaly

66.8051, 68.5058, 32.9945

## Tritanomaly

68.4113, 67.7637, 54.2738

# Monochromacy



## Original Color

63.1455, 68.6208, 27.3698

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

61.6489, 66.1750, 51.6433

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.1455, 68.6208, 27.3698 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(238, 216, 119)` looks like.

```
.text, #text, p{  
    color:rgb(238, 216, 119)  
}
```

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(238, 216, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 216, 119) }
```

## Border

The CSS property to change the border of an element to XYZ 63.1455, 68.6208, 27.3698 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(238, 216, 119) }
```



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

```
.border{ border-color:rgb(238, 216, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 216, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 216, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 216, 119);  
box-shadow:4px 4px 4px 4px rgb(238, 216,  
119) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.1455, 68.6208, 27.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 216, 119) }
```

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

```
.background{ background-color: rgb(238,  
216, 119) }
```

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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