

# Converting Colors

XYZ(63.9270, 68.9666, 29.6301)

Have a look what the booklet for  
XYZ(63.9270, 68.9666, 29.6301)  
contains.

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# **Color**

**XYZ(63.9184, 68.9688,  
29.6821)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFD87E
RGB	239, 216, 126
RGB Percent	94%, 85%, 49%
CMY	0.0627, 0.1529, 0.5059
CMYK	0.00, 0.10, 0.47, 0.06
HSL	48°, 78%, 72%
HSV	48°, 47%, 94%
XYZ	63.9184, 68.9688, 29.6821
YIQ	212.6170, 42.5980, -23.1140

# Conversions

## Conversions Part 2

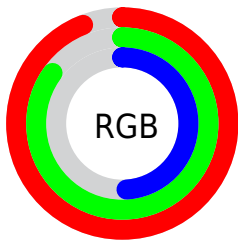
Format	Color
<a href="#">RYB</a>	<a href="#">155, 239, 126</a>
Decimal	<a href="#">15718526</a>
CIELab	<a href="#">86.49, -3.70, 47.02</a>
CIELCh	<a href="#">86, 47.169, 94.502</a>
Yxy	<a href="#">68.9688, 0.3932, 0.4242</a>
Android (android.graphics.Color)	<a href="#">4293908606</a> (0xFFEFD87E)
YUV	<a href="#">212.6170, -42.7022, 23.1379</a>
Hunter-Lab	<a href="#">83.0475, -7.9485, 36.9423</a>

# Details

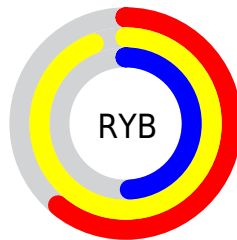
The XYZ color **63.9184, 68.9688, 29.6821** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **34.9314, 32.1615, 86.0280**, and the grayscale version is **63.2477, 66.5415, 72.4637**.

A 20% lighter version of the original color is **85.2382, 96.0753, 57.2319**, and **33.0370, 35.8079, 11.6489** is the 20% darker color. If you saturate the color by 10%, you get **61.3297, 65.9716, 22.0984**, and if you desaturate by 10%, it is **66.9158, 72.1936, 39.2210**.

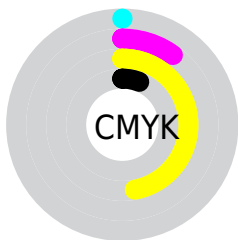
# Distribution



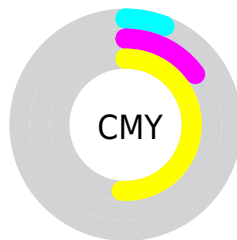
- Red (94%)
- Green (85%)
- Blue (49%)



- Red (61%)
- Yellow (94%)
- Blue (49%)



- Cyan (0%)
- Magenta (10%)
- Yellow (47%)
- Black (6%)




- Cyan (6%)
- Magenta (15%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9184, 68.9688, 29.6821 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 63.9184, 68.9688, 29.6821 by changing the saturation by 10% instead.




 63.9184, 68.9688,  
29.6821


 63.9184, 68.9688,  
29.6821


428.5018,  
456.9209, 314.5809


 46.8460, 50.6863,  
19.3474


 109.5678,  
117.7370, 60.2141

 33.1214, 35.9590,  
11.7422


 138.8755,  
148.9915, 81.2485

 22.3791, 24.4025,  
6.4480


 172.9924,  
185.3388, 106.6866

 14.2539, 15.6325,  
3.0462

212.2838,  
227.1633, 136.9469

 8.3804, 9.2645,  
1.1183

257.1151,  
274.8493, 172.4479

 4.3931, 4.9141,  
0.0000

307.8517,

 1.9269, 2.1969,

328.7814, 213.6083

0.0000

364.8588,  
389.3438, 260.8464

■ 0.5924, 0.7183,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.9184, 68.9688,  
29.6821

■ 63.9184, 68.9688,  
29.6821

■ 61.3297, 65.9716,  
22.0984

■ 66.9158, 72.1936,  
39.2210

■ 59.1176, 63.1809,  
16.3252


■ 70.3411, 75.6466,  
50.8374


■ 57.2533, 60.5874,  
12.2044


■ 74.2184, 79.3403,  
64.6488


■ 55.7009, 58.1761,  
9.5488

■ 78.5683, 83.2836,  
80.7626


 54.4137, 55.9279,  
8.1140


 83.4101, 87.4846,  
99.2790

 54.0894, 55.3364,  
7.8302

 86.3554, 90.9884,  
107.6188

 87.8477, 93.9729,  
108.1163

 89.3789, 97.0354,  
108.6267

 89.4066, 97.0907,  
108.6359

# Harmonies

## Analogous

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



75.0141, 68.9688, 32.8429



63.9184, 68.9688, 29.6821



54.3635, 68.9688, 35.6383

# Triad

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



63.9184, 68.9688, 29.6821



49.7259, 68.9688, 114.5694



86.3912, 68.9688, 104.0725

# Complementary

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



63.9184, 68.9688, 29.6821



34.9314, 32.1615, 86.0280

# 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.



78.1808, 68.9688, 136.3574



63.9184, 68.9688, 29.6821



56.9225, 68.9688, 143.5041

# Square

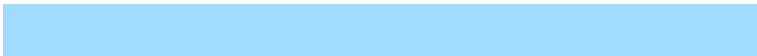
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.9184, 68.9688, 29.6821



46.7684, 68.9688, 79.9151



67.2148, 68.9688, 152.4170



88.7937, 68.9688, 70.4733



# Rectangle

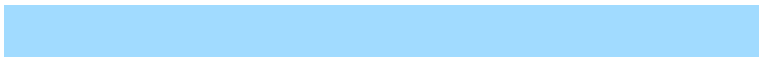
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.9184, 68.9688, 29.6821



49.9004, 68.9688, 45.3079



67.2148, 68.9688, 152.4170



84.1774, 68.9688, 115.7086

# Sweetspot

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



63.9201, 68.9720, 29.6835



87.5518, 93.3625, 80.6314



48.6019, 35.4907, 33.3483



18.5135, 19.7756, 16.4293



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.



63.9201, 68.9720, 29.6835



71.0751, 76.4575, 25.6639



60.3602, 76.5025, 31.3247



16.8338, 17.8808, 16.7138



29.9873, 30.7727, 4.3592



2.5629, 2.6964, 0.3854



# Inverse Universe

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



34.9314, 32.1615, 86.0280



33.7025, 29.0437, 98.4374



37.1453, 28.4253, 85.1901



15.1578, 15.7496, 19.9627



9.2827, 4.7896, 45.5631



0.8408, 0.5355, 3.8133



# Previews

## White Background



This preview shows how the XYZ color 63.9184, 68.9688, 29.6821 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

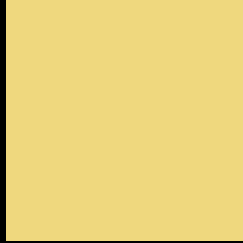
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.9184, 68.9688, 29.6821 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 63.9184, 68.9688, 29.6821

## Background



This preview shows how black text looks on a background with the XYZ color 63.9184, 68.9688, 29.6821.



This preview shows how white text looks on a background with the XYZ color 63.9184, 68.9688,



# 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

63.9184, 68.9688, 29.6821

### Protanopia

63.5038, 69.1366, 29.7364

### Deuteranopia

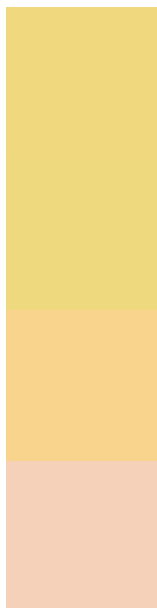
69.5455, 69.0629, 38.5192



## Tritanopia

73.9494, 69.0228, 77.8318

# Trichromacy



## Original Color

63.9184, 68.9688, 29.6821

## Protanomaly

63.8386, 69.3092, 29.7520

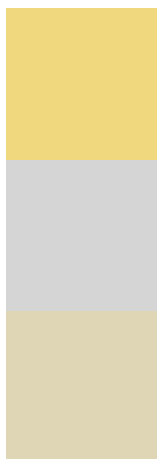
## Deuteranomaly

67.4181, 69.1498, 34.9932

## Tritanomaly

69.3196, 68.5586, 56.0340

# Monochromacy



## Original Color

63.9184, 68.9688, 29.6821

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

62.5113, 66.9589, 53.3457

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.9184, 68.9688, 29.6821 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(239, 216, 126)` looks like.

```
.text, #text, p{  
    color:rgb(239, 216, 126)  
}
```

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(239, 216, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 216, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 63.9184, 68.9688, 29.6821 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(239, 216, 126) }
```



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

```
.border{ border-color:rgb(239, 216, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 216, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 216, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 216, 126);  
box-shadow:4px 4px 4px 4px rgb(239, 216,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.9184, 68.9688, 29.6821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 216, 126) }
```

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

```
.background{ background-color: rgb(239,  
216, 126) }
```

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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