

Converting Colors

XYZ(63.9029, 76.0658, 17.4809)

Have a look what the booklet for
XYZ(63.9029, 76.0658, 17.4809)
contains.

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Color

**XYZ(63.9129, 76.0693,
17.4452)**

Conversions

Conversions Part 1

Format	Color
Hex	E9E948
RGB	233, 233, 72
RGB Percent	91%, 91%, 28%
CMY	0.0863, 0.0863, 0.7176
CMYK	0.00, 0.00, 0.69, 0.09
HSL	60°, 79%, 60%
HSV	60°, 69%, 91%
XYZ	63.9129, 76.0693, 17.4452
YIQ	214.6460, 51.6810, -50.0710

Conversions

Conversions Part 2

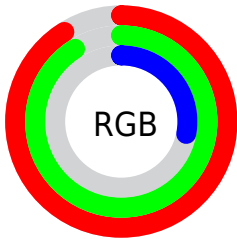
Format	Color
R _Y B	72, 233, 72
Decimal	15329608
CIE Lab	89.89, -18.38, 73.95
CIE LCh	90, 76.196, 103.961
Yxy	76.0693, 0.4060, 0.4832
Android (android.graphics.Color)	4293519688 (0xFFE9E948)
YUV	214.6460, -70.3245, 16.0965
Hunter-Lab	87.2177, -21.8267, 49.1933

Details

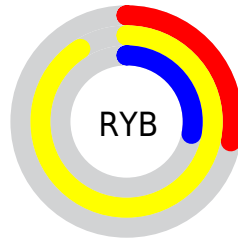
The XYZ color **63.9129, 76.0693, 17.4452** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **19.7000, 11.8972, 78.3535**, and the grayscale version is **64.7898, 68.1639, 74.2305**.

A 20% lighter version of the original color is **81.0293, 94.3917, 35.0678**, and **33.3760, 40.8395, 6.1237** is the 20% darker color. If you saturate the color by 10%, you get **63.2926, 75.8240, 14.1728**, and if you desaturate by 10%, it is **64.8246, 76.4369, 22.2368**.

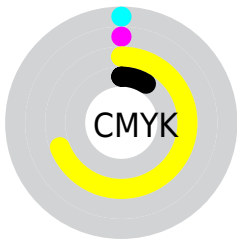
Distribution



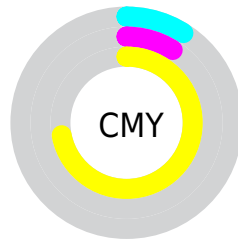
- Red (91%)
- Green (91%)
- Blue (28%)



- Red (28%)
- Yellow (91%)
- Blue (28%)



- Cyan (0%)
- Magenta (0%)
- Yellow (69%)
- Black (9%)



- Cyan (9%)
- Magenta (9%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9129, 76.0693, 17.4452 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 63.9129, 76.0693, 17.4452 by changing the saturation by 10% instead.

63.9129, 76.0693,
17.4452

63.9129, 76.0693,
17.4452

428.4822,
481.5849, 249.8553

46.8415, 56.4893,
10.3871

109.5599,
127.8249, 39.8907

33.1178, 40.5954,
5.5474

138.8663,
160.7692, 56.1153

22.3764, 28.0031,
2.5076

172.9818,
198.9372, 76.2324

14.2519, 18.3280,
0.8442

212.2716,
242.7132, 100.6606

8.3789, 11.1857,
0.0000

257.1012,
292.4816, 129.8184

4.3922, 6.1919,
0.0000

307.8360,

1.9263, 2.9621,

348.6267, 164.1245

0.0000

364.8412,
411.5330, 203.9972

■ 0.5921, 1.1120,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.9129, 76.0693,
17.4452

■ 63.9129, 76.0693,
17.4452

■ 63.2926, 75.8240,
14.1728

■ 64.8246, 76.4369,
22.2368

■ 62.9240, 75.6765,
12.2333


■ 66.0516, 76.9277,
28.6965


■ 62.7553, 75.6090,
11.3469


■ 67.6213, 77.5556,
36.9606


■ 62.7438, 75.6044,
11.2862


■ 69.5566, 78.3297,
47.1499

 71.8784, 79.2585,
59.3752

 74.6063, 80.3497,
73.7384

 77.7583, 81.6106,
90.3349

 80.7973, 82.8262,
106.3363

 80.7976, 82.8264,
106.3363

Harmonies

Analogous

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



82.7749, 76.0693, 17.7922



63.9129, 76.0693, 17.4452



49.9663, 76.0693, 28.3591

Triad

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



63.9129, 76.0693, 17.4452



49.2437, 76.0693, 177.6820



112.9839, 76.0693, 114.9104

Complementary

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



63.9129, 76.0693, 17.4452



19.7000, 11.8972, 78.3535

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.



100.4625, 76.0693, 182.1440



63.9129, 76.0693, 17.4452



62.7512, 76.0693, 227.8128

Square

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



63.9129, 76.0693, 17.4452



42.5468, 76.0693, 110.4488



81.3939, 76.0693, 229.7298



113.4424, 76.0693, 60.2424

Rectangle

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



63.9129, 76.0693, 17.4452



44.4032, 76.0693, 45.1335



81.3939, 76.0693, 229.7298



109.9598, 76.0693, 137.2007

Sweetspot

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



63.9147, 76.0728, 17.4468



87.5948, 97.0178, 69.6459



37.0939, 22.4281, 8.5059



18.5751, 20.6963, 13.9918



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.



63.9147, 76.0728, 17.4468



77.4392, 92.9553, 16.1800



43.3544, 65.4736, 16.4846



16.3519, 17.6270, 16.0592



35.6001, 42.8970, 6.4036



2.7955, 3.3685, 0.5028

Inverse Universe

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



19.7000, 11.8972, 78.3535



19.9380, 9.4947, 95.3896



30.0704, 17.2434, 78.8388



14.2313, 14.5490, 18.9804



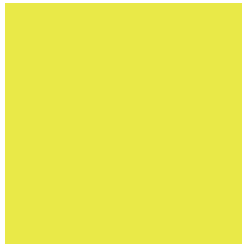
8.3457, 3.3383, 43.9475



0.6554, 0.2621, 3.4509

Previews

White Background



This preview shows how the XYZ color 63.9129, 76.0693, 17.4452 looks on a white background.

Color Contrast Check

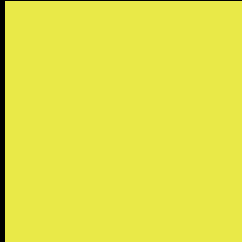
Large Text (above 18pt) WCAG AA × Fail

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 63.9129, 76.0693, 17.4452 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 63.9129, 76.0693, 17.4452

Background



This preview shows how black text looks on a background with the XYZ color 63.9129, 76.0693, 17.4452.



This preview shows how white text looks on a background with the XYZ color 63.9129, 76.0693,

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

63.9129, 76.0693, 17.4452

Protanopia

68.8099, 75.7176, 16.7826

Deuteranopia

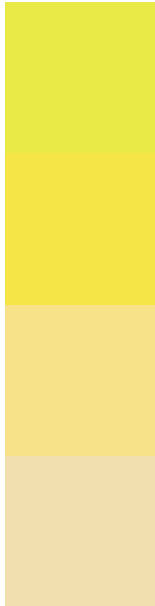
74.4732, 75.5024, 50.6927



Tritanopia

78.4246, 75.9151, 89.1169

Trichromacy



Original Color

63.9129, 76.0693, 17.4452

Protanomaly

67.1627, 76.0864, 17.1075

Deuteranomaly

69.7983, 75.4307, 34.5477

Tritanomaly

70.8421, 74.7872, 51.7759

Monochromacy



Original Color

63.9129, 76.0693, 17.4452

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

62.8563, 70.4165, 44.9292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9129, 76.0693, 17.4452 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(233, 233, 72)` looks like.

```
.text, #text, p{  
    color:rgb(233, 233, 72)  
}
```

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(233, 233, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 233, 72) }
```

Border

The CSS property to change the border of an element to XYZ 63.9129, 76.0693, 17.4452 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(233, 233, 72) }
```


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

```
.border{ border-color:rgb(233, 233, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 233, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 233, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 233, 72);  
box-shadow:4px 4px 4px 4px rgb(233, 233,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9129, 76.0693, 17.4452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 233, 72) }
```

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

```
.background{ background-color: rgb(233,  
233, 72) }
```

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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