

Converting Colors

XYZ(63.0616, 75.7288, 12.9625)

Have a look what the booklet for
XYZ(63.0616, 75.7288, 12.9625)
contains.

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Color

**XYZ(63.0616, 75.7288,
12.9625)**

Conversions

Conversions Part 1

Format	Color
Hex	E9E924
RGB	233, 233, 36
RGB Percent	91%, 91%, 14%
CMY	0.0863, 0.0862, 0.8588
CMYK	0.00, 0.00, 0.85, 0.09
HSL	60°, 82%, 53%
HSV	60°, 85%, 91%
XYZ	63.0616, 75.7288, 12.9625
YIQ	210.5420, 63.2370, -61.2670

Conversions

Conversions Part 2

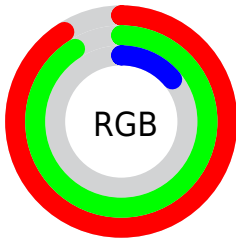
Format	Color
R _Y B	36, 233, 36
Decimal	15329572
CIE Lab	89.73, -19.65, 83.91
CIE LCh	90, 86.182, 103.182
Yxy	75.7288, 0.4156, 0.4990
Android (android.graphics.Color)	4293519652 (0xFFE9E924)
YUV	210.5420, -86.0492, 19.6957
Hunter-Lab	87.0223, -22.9372, 52.0840

Details

The XYZ color **63.0616, 75.7288, 12.9625** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **16.0683, 7.5214, 77.7004**, and the grayscale version is **62.1374, 65.3734, 71.1916**.

A 20% lighter version of the original color is **79.4987, 93.7795, 27.0079**, and **33.1540, 40.7250, 6.1133** is the 20% darker color. If you saturate the color by 10%, you get **62.8152, 75.6331, 11.6590**, and if you desaturate by 10%, it is **63.5425, 75.9241, 15.4861**.

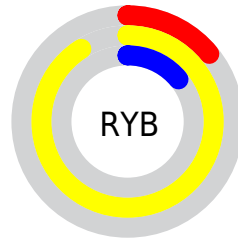
Distribution



Red (91%)

Green (91%)

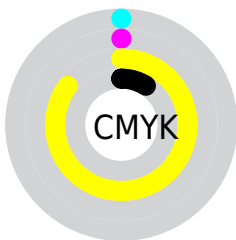
Blue (14%)



Red (14%)

Yellow (91%)

Blue (14%)

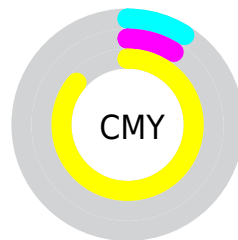


Cyan (0%)

Magenta (0%)

Yellow (85%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.0616, 75.7288, 12.9625 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 63.0616, 75.7288, 12.9625 by changing the saturation by 10% instead.

63.0616, 75.7288,
12.9625

63.0616, 75.7288,
12.9625

425.4491,
480.4188, 221.8766

46.1499, 56.2102,
7.2723

108.3397,
127.3435, 31.9266

32.5692, 40.3714,
3.5520

137.4368,
160.2083, 46.0376

21.9543, 27.8283,
1.3829

171.3263,
198.2906, 63.7926

13.9397, 18.1962,
0.1283

210.3738,
241.9749, 85.6101

8.1602, 11.0910,
0.0000

254.9444,
291.6454, 111.9087

4.2503, 6.1281,
0.0000

305.4036,

1.8447, 2.9231,

347.6867, 143.1070

0.0000

362.1167,
410.4830, 179.6234

■ 0.5444, 1.0917,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.0616, 75.7288,
12.9625

■ 63.0616, 75.7288,
12.9625

■ 62.8152, 75.6331,
11.6590

■ 63.5425, 75.9241,
15.4861

■ 62.7443, 75.6047,
11.2862

■ 64.2917, 76.2238,
19.4297

■ 65.3426, 76.6441,
24.9621

■ 66.7225, 77.1962,
32.2274

■ 68.4559, 77.8895,
41.3537

■ 70.5646, 78.7330,
52.4567

■ 73.0690, 79.7348,
65.6430

■ 75.9877, 80.9023,
81.0115

■ 79.3384, 82.2427,
98.6547

Harmonies

Analogous

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



84.4502, 75.7288, 13.5298



63.0616, 75.7288, 12.9625



47.4948, 75.7288, 23.2006

Triad

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



63.0616, 75.7288, 12.9625



46.1200, 75.7288, 191.1653



118.5671, 75.7288, 121.1294

Complementary

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



63.0616, 75.7288, 12.9625



16.0683, 7.5214, 77.7004

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.



103.6932, 75.7288, 200.5017



63.0616, 75.7288, 12.9625



60.7984, 75.7288, 252.6971

Square

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



63.0616, 75.7288, 12.9625



39.0914, 75.7288, 112.1038



81.6975, 75.7288, 256.7696



119.5046, 75.7288, 58.5584

Rectangle

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



63.0616, 75.7288, 12.9625



41.3403, 75.7288, 40.1492



81.6975, 75.7288, 256.7696



114.9156, 75.7288, 147.2677

Sweetspot

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



63.0633, 75.7323, 12.9640



86.4307, 96.5522, 63.5156



34.5562, 18.7146, 3.4610



18.2947, 20.5841, 12.5152



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.



63.0633, 75.7323, 12.9640



76.9966, 92.7783, 13.8498



39.3722, 63.5191, 11.8553



16.3519, 17.6270, 16.0592



35.6003, 42.8971, 6.4036



2.7955, 3.3685, 0.5028

Inverse Universe

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



16.0683, 7.5214, 77.7004



18.0501, 7.2201, 95.0500



25.2530, 12.2563, 78.1302



14.2313, 14.5490, 18.9804



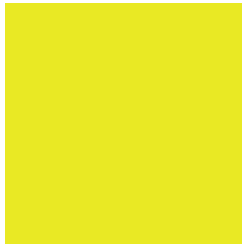
8.3457, 3.3383, 43.9475



0.6554, 0.2621, 3.4509

Previews

White Background



This preview shows how the XYZ color 63.0616, 75.7288, 12.9625 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 63.0616, 75.7288, 12.9625 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 63.0616, 75.7288, 12.9625

Background



This preview shows how black text looks on a background with the XYZ color 63.0616, 75.7288, 12.9625.



This preview shows how white text looks on a background with the XYZ color 63.0616, 75.7288,

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

63.0616, 75.7288, 12.9625

Protanopia

68.3581, 75.5790, 12.4987

Deuteranopia

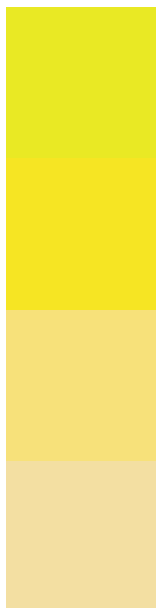
74.1839, 75.3867, 49.1692



Tritanopia

78.3755, 75.5227, 88.2884

Trichromacy



Original Color

63.0616, 75.7288, 12.9625

Protanomaly

66.3287, 75.7528, 12.7160

Deuteranomaly

68.7958, 75.0297, 29.2686

Tritanomaly

69.8714, 74.4387, 44.8679

Monochromacy



Original Color

63.0616, 75.7288, 12.9625

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

59.8114, 67.8297, 37.5438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0616, 75.7288, 12.9625 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, 36)` looks like.

```
.text, #text, p{  
    color:rgb(233, 233, 36)  
}
```

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, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 233, 36) }
```

Border

The CSS property to change the border of an element to XYZ 63.0616, 75.7288, 12.9625 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, 36) }
```


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

```
.border{ border-color:rgb(233, 233, 36) }
```

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, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 233, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 233, 36);  
box-shadow:4px 4px 4px 4px rgb(233, 233,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0616, 75.7288, 12.9625 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, 36) }
```

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

```
.background{ background-color: rgb(233,  
233, 36) }
```

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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