

Converting Colors

XYZ(63.8162, 73.5866, 13.6302)

Have a look what the booklet for
XYZ(63.8162, 73.5866, 13.6302)
contains.

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Color

**XYZ(63.9378, 73.6768,
13.6475)**

Conversions

Conversions Part 1

Format	Color
Hex	F0E330
RGB	240, 227, 48
RGB Percent	94%, 89%, 19%
CMY	0.0588, 0.1098, 0.8117
CMYK	0.00, 0.05, 0.80, 0.06
HSL	56°, 86%, 56%
HSV	56°, 80%, 94%
XYZ	63.9378, 73.6768, 13.6475
YIQ	210.4810, 65.2070, -52.9130

Conversions

Conversions Part 2

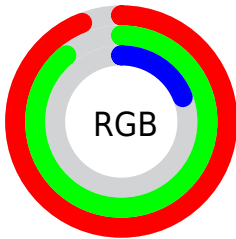
Format	Color
RYB	62, 240, 48
Decimal	15786800
CIELab	88.77, -13.49, 80.55
CIELCh	89, 81.668, 99.507
Yxy	73.6768, 0.4227, 0.4871
Android (android.graphics.Color)	4293976880 (0xFFFF0E330)
YUV	210.4810, -80.1031, 25.8882
Hunter-Lab	85.8352, -17.2487, 50.6577

Details

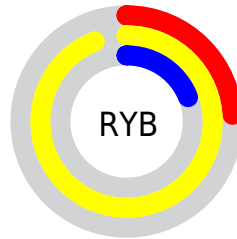
The XYZ color **63.9378, 73.6768, 13.6475** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **18.6163, 10.2575, 83.4363**, and the grayscale version is **62.0579, 65.2897, 71.1005**.

A 20% lighter version of the original color is **79.8692, 93.9277, 28.9592**, and **33.5749, 39.2083, 5.7984** is the 20% darker color. If you saturate the color by 10%, you get **63.1286, 72.6484, 11.5599**, and if you desaturate by 10%, it is **65.0221, 74.8275, 17.1485**.

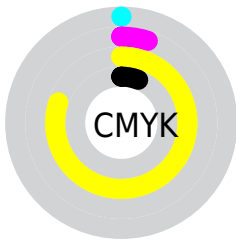
Distribution



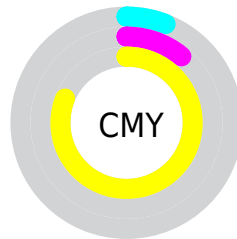
- Red (94%)
- Green (89%)
- Blue (19%)



- Red (24%)
- Yellow (94%)
- Blue (19%)



- Cyan (0%)
- Magenta (5%)
- Yellow (80%)
- Black (6%)



- Cyan (6%)
- Magenta (11%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9378, 73.6768, 13.6475 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 63.9378, 73.6768, 13.6475 by changing the saturation by 10% instead.

63.9378, 73.6768,
13.6475

63.9378, 73.6768,
13.6475

428.5708,
473.3571, 226.3784

46.8618, 54.5296,
7.7400

109.5956,
124.4375, 33.1703

33.1339, 39.0252,
3.8436

138.9081,
156.8198, 47.6227

22.3888, 26.7793,
1.5400

173.0301,
194.3826, 65.7604

14.2610, 17.4076,
0.2474

212.3270,
237.5102, 88.0021

8.3854, 10.5255,
0.0000

257.1642,
286.5871, 114.7661

4.3964, 5.7487,
0.0000

307.9070,

1.9287, 2.6929,

341.9976, 146.4712

0.0000

364.9207,
404.1261, 183.5358

■ 0.5935, 0.9736,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.9378, 73.6768,
13.6475

■ 63.9378, 73.6768,
13.6475

■ 63.1286, 72.6484,
11.5599

■ 65.0221, 74.8275,
17.1485


■ 62.5257, 71.7065,
10.5455


■ 66.4145, 76.1054,
22.2578


■ 62.5255, 71.7061,
10.5452


■ 68.1482, 77.5265,
29.1443


■ 70.2512, 79.1022,
37.9545

 72.7485, 80.8423,
48.8197

 75.6626, 82.7559,
61.8596

 79.0148, 84.8516,
77.1848

 82.8245, 87.1371,
94.8983

 85.6254, 89.0259,
107.2785

Harmonies

Analogous

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



84.1880, 73.6768, 15.3705



63.9378, 73.6768, 13.6475



48.5318, 73.6768, 22.1507

Triad

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



63.9378, 73.6768, 13.6475



44.6147, 73.6768, 171.2604



111.9847, 73.6768, 124.6606

Complementary

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



63.9378, 73.6768, 13.6475



18.6163, 10.2575, 83.4363

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.



97.0848, 73.6768, 196.8591



63.9378, 73.6768, 13.6475



57.5513, 73.6768, 231.4001

Square

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



63.9378, 73.6768, 13.6475



38.8430, 73.6768, 99.5692



76.4923, 73.6768, 242.4970



114.5786, 73.6768, 63.5580

Rectangle

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



63.9378, 73.6768, 13.6475



42.1264, 73.6768, 36.7075



76.4923, 73.6768, 242.4970



108.1320, 73.6768, 149.0681

Sweetspot

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



63.9395, 73.6803, 13.6490



85.4081, 94.0519, 64.5736



37.9179, 21.0100, 6.9085



18.0283, 19.9643, 12.6937



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.



63.9395, 73.6803, 13.6490



71.9967, 82.6839, 12.4579



46.1914, 70.0072, 13.8754



17.0260, 18.2651, 16.7779



34.2674, 39.3329, 5.7859



2.8781, 3.3268, 0.4904

Inverse Universe

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



18.6163, 10.2575, 83.4363



18.5643, 8.0590, 95.1848



25.6882, 12.9954, 83.5921



14.9831, 15.4004, 19.9045



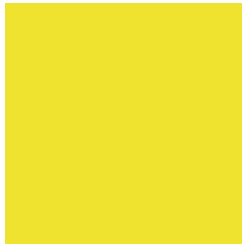
8.7465, 3.7173, 45.3844



0.7575, 0.3689, 3.7855

Previews

White Background



This preview shows how the XYZ color 63.9378, 73.6768, 13.6475 looks on a white background.

Color Contrast Check

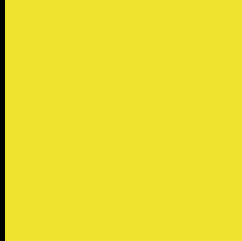
Large Text (above 18pt) WCAG AA × Fail

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 63.9378, 73.6768, 13.6475 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 63.9378, 73.6768, 13.6475

Background



This preview shows how black text looks on a background with the XYZ color 63.9378, 73.6768, 13.6475.



This preview shows how white text looks on a background with the XYZ color 63.9378, 73.6768,

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

63.9378, 73.6768, 13.6475

Protanopia

66.6844, 73.4898, 13.3596

Deuteranopia

72.5744, 73.4943, 44.5432



Tritanopia

78.1709, 73.2608, 83.4195

Trichromacy



Original Color

63.9378, 73.6768, 13.6475

Protanomaly

65.5265, 73.2907, 13.3822

Deuteranomaly

68.7320, 73.4174, 28.6376

Tritanomaly

70.4906, 72.4098, 44.9116

Monochromacy



Original Color

63.9378, 73.6768, 13.6475

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

59.9606, 66.7183, 38.9958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9378, 73.6768, 13.6475 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(240, 227, 48)` looks like.

```
.text, #text, p{  
    color:rgb(240, 227, 48)  
}
```

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(240, 227, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 227, 48) }
```

Border

The CSS property to change the border of an element to XYZ 63.9378, 73.6768, 13.6475 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(240, 227, 48) }
```


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

```
.border{ border-color:rgb(240, 227, 48) }
```

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

Here you see how a box with a 4 pixel rgb(240, 227, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 227, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 227, 48);  
box-shadow:4px 4px 4px 4px rgb(240, 227,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9378, 73.6768, 13.6475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 227, 48) }
```

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

```
.background{ background-color: rgb(240,  
227, 48) }
```

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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