

Converting Colors

XYZ(63.7941, 74.3942, 10.9972)

Have a look what the booklet for
XYZ(63.7941, 74.3942, 10.9972)
contains.

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Color

**XYZ(63.9545, 74.5639,
11.0215)**

Conversions

Conversions Part 1

Format	Color
Hex	F0E500
RGB	240, 229, 0
RGB Percent	94%, 90%, 0%
CMY	0.0588, 0.1019, 0.9999
CMYK	0.00, 0.05, 1.00, 0.06
HSL	57°, 100%, 47%
HSV	57°, 100%, 94%
XYZ	63.9545, 74.5639, 11.0215
YIQ	206.1830, 80.0650, -68.8870

Conversions

Conversions Part 2

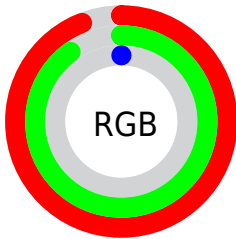
Format	Color
R _Y B	12, 240, 0
Decimal	15787264
CIE Lab	89.19, -15.26, 88.15
CIE LCh	89, 89.461, 99.819
Yxy	74.5639, 0.4277, 0.4986
Android (android.graphics.Color)	4293977344 (0xFFFF0E500)
YUV	206.1830, -101.6482, 29.6575
Hunter-Lab	86.3504, -18.9091, 52.8777

Details

The XYZ color **63.9545, 74.5639, 11.0215** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **15.8484, 6.5313, 82.8628**, and the grayscale version is **59.3829, 62.4754, 68.0357**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **33.7265, 39.8558, 5.9154** is the 20% darker color. If you saturate the color by 10%, you get **63.9556, 74.5666, 11.0220**, and if you desaturate by 10%, it is **64.4264, 75.2438, 11.9937**.

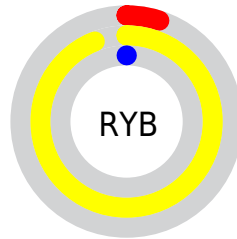
Distribution



Red (94%)

Green (90%)

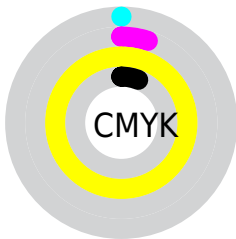
Blue (0%)



Red (5%)

Yellow (94%)

Blue (0%)

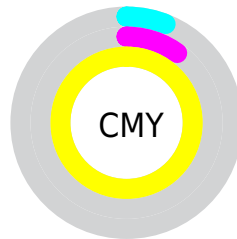


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (10%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9545, 74.5639, 11.0215 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 63.9545, 74.5639, 11.0215 by changing the saturation by 10% instead.


 63.9545, 74.5639,
11.0215

 63.9545, 74.5639,
11.0215


428.6301,
476.4173, 208.5577


 46.8754, 55.2557,
5.9669


 109.6195,
125.6949, 28.3372

 33.1447, 39.6065,
2.7565


 138.9361,
158.2864, 41.4354


 22.3971, 27.2319,
0.9717


 173.0625,
196.0745, 58.0519

 14.2672, 17.7474,
0.0000

 212.3642,
239.4436, 78.6052

 8.3897, 10.7688,
0.0000

 257.2064,
288.7780, 103.5139

 4.3992, 5.9116,
0.0000

 307.9546,

 1.9303, 2.7914,

344.4621, 133.1965

0.0000

364.9740,
406.8804, 168.0716

■ 0.5944, 1.0238,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.9545, 74.5639,
11.0215

■ 63.9545, 74.5639,
11.0215

■ 63.9556, 74.5666,
11.0220

■ 64.4264, 75.2438,
11.9937

■ 65.1025, 76.0056,
14.0390

■ 66.0481, 76.8784,
17.4941

■ 67.3011, 77.8771,
22.5585

■ 68.8933, 79.0147,
29.3995

■ 70.8526, 80.3022,
38.1635

■ 73.2037, 81.7496,
48.9819

■ 75.9696, 83.3660,
61.9743

■ 79.1711, 85.1597,
77.2513

Harmonies

Analogous

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



86.3507, 74.5639, 12.5724



63.9545, 74.5639, 11.0215



47.2581, 74.5639, 19.4549

Triad

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



63.9545, 74.5639, 11.0215



43.2859, 74.5639, 184.9856



117.9888, 74.5639, 130.0888

Complementary

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



63.9545, 74.5639, 11.0215



15.8484, 6.5313, 82.8628

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.



101.2720, 74.5639, 212.8442



63.9545, 74.5639, 11.0215



57.3611, 74.5639, 254.2255

Square

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



63.9545, 74.5639, 11.0215



37.0502, 74.5639, 103.4487



78.2685, 74.5639, 266.4358



120.7647, 74.5639, 62.3734

Rectangle

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



63.9545, 74.5639, 11.0215



40.4403, 74.5639, 34.5274



78.2685, 74.5639, 266.4358



113.6721, 74.5639, 157.8044

Sweetspot

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



63.9562, 74.5674, 11.0230



83.9784, 93.7989, 56.0620



36.0018, 18.5524, 2.0323



17.7189, 19.9217, 10.8145



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.



63.9562, 74.5674, 11.0230



73.3861, 85.5522, 12.6454



40.6779, 67.2264, 10.8329



17.0572, 18.3276, 16.7883



35.0384, 40.8748, 6.0429



2.9339, 3.4384, 0.5091

Inverse Universe

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



15.8484, 6.5313, 82.8628



18.1776, 7.4753, 95.0925



21.9148, 9.4811, 83.1124



14.9553, 15.3448, 19.8952



8.7011, 3.6265, 45.3693



0.7442, 0.3423, 3.7811

Previews

White Background



This preview shows how the XYZ color 63.9545, 74.5639, 11.0215 looks on a white background.

Color Contrast Check

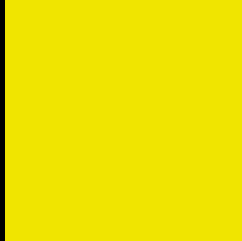
Large Text (above 18pt) WCAG AA × Fail

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 63.9545, 74.5639, 11.0215 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 63.9545, 74.5639, 11.0215

Background



This preview shows how black text looks on a background with the XYZ color 63.9545, 74.5639, 11.0215.



This preview shows how white text looks on a background with the XYZ color 63.9545, 74.5639,

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

63.9545, 74.5639, 11.0215

Protanopia

67.4332, 74.7331, 10.8708

Deuteranopia

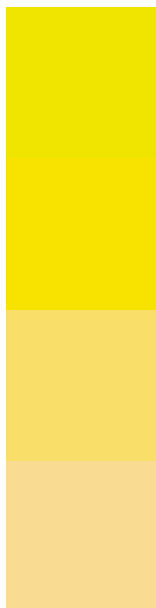
73.1943, 74.1560, 46.5322



Tritanopia

78.8102, 74.3165, 84.3195

Trichromacy



Original Color

63.9545, 74.5639, 11.0215

Protanomaly

65.9078, 74.3492, 10.8771

Deuteranomaly

68.1471, 73.6072, 24.2515

Tritanomaly

69.5867, 72.8781, 37.5934

Monochromacy



Original Color

63.9545, 74.5639, 11.0215

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

57.0567, 64.6373, 30.9418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9545, 74.5639, 11.0215 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, 229, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 229, 0)  
}
```

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, 229, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 229, 0) }
```

Border

The CSS property to change the border of an element to XYZ 63.9545, 74.5639, 11.0215 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, 229, 0) }
```


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

```
.border{ border-color:rgb(240, 229, 0) }
```

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

Here you see how a box with a 4 pixel rgb(240, 229, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 229, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 229, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 229,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9545, 74.5639, 11.0215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 229, 0) }
```

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

```
.background{ background-color: rgb(240,  
229, 0) }
```

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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