

Converting Colors

XYZ(64.5098, 74.1641, 11.4033)

Have a look what the booklet for
XYZ(64.5098, 74.1641, 11.4033)
contains.

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Color

**XYZ(64.5248, 74.0303,
11.3787)**

Conversions

Conversions Part 1

Format	Color
Hex	F3E310
RGB	243, 227, 16
RGB Percent	95%, 89%, 6%
CMY	0.0471, 0.1098, 0.9372
CMYK	0.00, 0.07, 0.93, 0.05
HSL	56°, 90%, 51%
HSV	56°, 93%, 95%
XYZ	64.5248, 74.0303, 11.3787
YIQ	207.7300, 77.2670, -62.2290

Conversions

Conversions Part 2

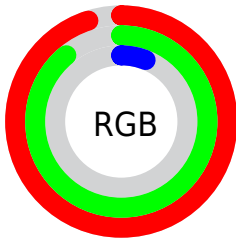
Format	Color
R _Y B	33, 243, 16
Decimal	15983376
CIE Lab	88.94, -12.87, 86.72
CIE LCh	89, 87.671, 98.444
Yxy	74.0303, 0.4304, 0.4938
Android (android.graphics.Color)	4294173456 (0xFFFF3E310)
YUV	207.7300, -94.5229, 30.9318
Hunter-Lab	86.0409, -16.7086, 52.3876

Details

The XYZ color **64.5248, 74.0303, 11.3787** 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 **16.9086, 7.6153, 85.3721**, and the grayscale version is **60.3406, 63.4830, 69.1330**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **34.0439, 39.4501, 5.8203** is the 20% darker color. If you saturate the color by 10%, you get **64.1250, 73.3807, 10.7841**, and if you desaturate by 10%, it is **65.2920, 75.0931, 13.0896**.

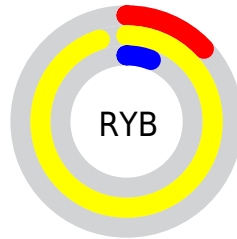
Distribution



Red (95%)

Green (89%)

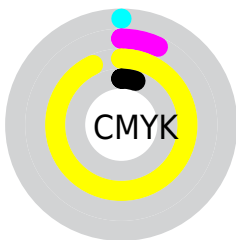
Blue (6%)



Red (13%)

Yellow (95%)

Blue (6%)

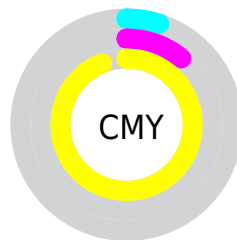


Cyan (0%)

Magenta (7%)

Yellow (93%)

Black (5%)



Cyan (5%)


Magenta (11%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5248, 74.0303, 11.3787 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 64.5248, 74.0303, 11.3787 by changing the saturation by 10% instead.


 64.5248, 74.0303,
11.3787

 64.5248, 74.0303,
11.3787


430.6546,
474.5779, 211.0774

 47.3391, 54.8188,
6.2048

 110.4359,
124.9388, 29.0056


 33.5129, 39.2567,
2.8992


 139.8921,
157.4045, 42.2957


 22.6808, 26.9595,
1.0434

 174.1691,
195.0572, 59.1283

 14.4774, 17.5428,
0.0000

 213.6323,
238.2812, 79.9219

 8.5373, 10.6222,
0.0000

 258.6471,
287.4609, 105.0951

 4.4953, 5.8134,
0.0000

 309.5789,

 1.9860, 2.7320,

342.9806, 135.0664

0.0000

366.7929,
405.2248, 170.2543

■ 0.6261, 0.9935,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.5248, 74.0303,
11.3787

■ 64.5248, 74.0303,
11.3787

■ 64.1250, 73.3807,
10.7841

■ 65.2920, 75.0931,
13.0896

■ 66.3220, 76.2656,
16.1692

■ 67.6587, 77.5684,
20.8406

■ 69.3367, 79.0151,
27.2858

■ 71.3859, 80.6179,
35.6626

■ 73.8330, 82.3873,
46.1110

■ 76.7020, 84.3331,
58.7584

■ 80.0153, 86.4642,
73.7215

■ 83.7934, 88.7889,
91.1092

Harmonies

Analogous

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



86.4921, 74.0303, 13.3614



64.5248, 74.0303, 11.3787



47.8671, 74.0303, 19.2553

Triad

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



64.5248, 74.0303, 11.3787



42.9368, 74.0303, 177.6163



115.6893, 74.0303, 131.7783

Complementary

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



64.5248, 74.0303, 11.3787



16.9086, 7.6153, 85.3721

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.



98.9915, 74.0303, 211.6192



64.5248, 74.0303, 11.3787



56.3761, 74.0303, 246.0835

Square

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



64.5248, 74.0303, 11.3787



37.1555, 74.0303, 99.0668



76.5444, 74.0303, 260.9470



119.0906, 74.0303, 64.5948

Rectangle

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



64.5248, 74.0303, 11.3787



40.9400, 74.0303, 33.5199



76.5444, 74.0303, 260.9470



111.3042, 74.0303, 158.7946

Sweetspot

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



64.5265, 74.0338, 11.3802



84.0259, 93.0560, 58.6608



37.4500, 19.5468, 3.3844



17.6968, 19.7202, 11.2920



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.



64.5265, 74.0338, 11.3802



71.5337, 81.8474, 12.0279



44.4340, 70.4739, 11.7521



17.8089, 19.1019, 17.5460



35.2362, 40.3581, 5.9327



3.1263, 3.6059, 0.5312

Inverse Universe

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



16.9086, 7.6153, 85.3721



18.2658, 7.6515, 95.1219



22.8681, 10.1957, 85.5561



15.6749, 16.1141, 20.8267



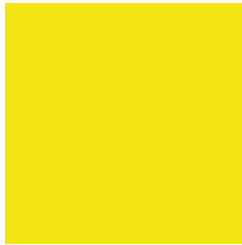
9.0243, 3.8424, 46.8040



0.8252, 0.4019, 4.1243

Previews

White Background



This preview shows how the XYZ color 64.5248, 74.0303, 11.3787 looks on a white background.

Color Contrast Check

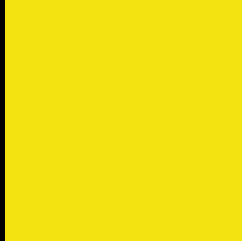
Large Text (above 18pt) WCAG AA × Fail

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 64.5248, 74.0303, 11.3787 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 64.5248, 74.0303, 11.3787

Background



This preview shows how black text looks on a background with the XYZ color 64.5248, 74.0303, 11.3787.



This preview shows how white text looks on a background with the XYZ color 64.5248, 74.0303,

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

64.5248, 74.0303, 11.3787

Protanopia

66.8798, 74.0385, 11.1814

Deuteranopia

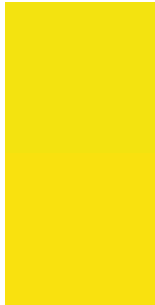
72.9223, 74.0472, 45.0994



Tritanopia

78.6486, 73.8930, 82.7906

Trichromacy



Original Color

64.5248, 74.0303, 11.3787

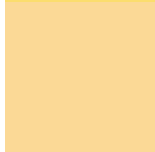
Protanomaly

66.0784, 74.0247, 11.2574



Deuteranomaly

68.4546, 73.3479, 25.3015



Tritanomaly

70.1015, 72.3369, 39.1218

Monochromacy



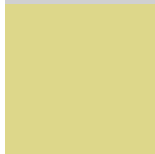
Original Color

64.5248, 74.0303, 11.3787



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

58.7067, 65.8080, 33.6528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5248, 74.0303, 11.3787 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(243, 227, 16)` looks like.

```
.text, #text, p{  
    color:rgb(243, 227, 16)  
}
```

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(243, 227, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 227, 16) }
```

Border

The CSS property to change the border of an element to XYZ 64.5248, 74.0303, 11.3787 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(243, 227, 16) }
```


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

```
.border{ border-color:rgb(243, 227, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 227, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 227, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 227, 16);  
box-shadow:4px 4px 4px 4px rgb(243, 227,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5248, 74.0303, 11.3787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 227, 16) }
```

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

```
.background{ background-color: rgb(243,  
227, 16) }
```

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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