

Converting Colors

XYZ(63.7474, 65.5770, 11.5833)

Have a look what the booklet for XYZ(63.7474, 65.5770, 11.5833) contains.

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Color

**XYZ(63.7474, 65.5770,
11.5833)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCE2B
RGB	255, 206, 43
RGB Percent	100%, 81%, 17%
CMY	0.0000, 0.1921, 0.8313
CMYK	0.00, 0.19, 0.83, 0.00
HSL	46°, 100%, 58%
HSV	46°, 83%, 100%
XYZ	63.7474, 65.5770, 11.5833
YIQ	202.0690, 81.5270, -40.3050

Conversions

Conversions Part 2

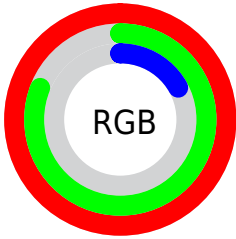
Format	Color
R_{YB}	107, 255, 43
Decimal	16764459
CIE _{Lab}	84.78, 3.27, 78.99
CIE _{LCh}	85, 79.060, 87.629
Yxy	65.5770, 0.4524, 0.4654
Android (android.graphics.Color)	4294954539 (0xFFFFCE2B)
YUV	202.0690, -78.4210, 46.4205
Hunter-Lab	80.9796, -1.1986, 48.2049

Details

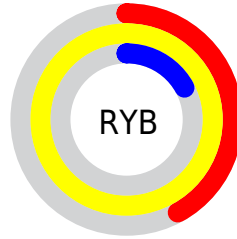
The XYZ color **63.7474, 65.5770, 11.5833** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **22.8737, 15.3881, 96.3718**, and the grayscale version is **56.6227, 59.5715, 64.8733**.

A 20% lighter version of the original color is **79.5498, 93.7999, 27.2771**, and **33.2206, 33.7939, 4.7720** is the 20% darker color. If you saturate the color by 10%, you get **62.0255, 62.6631, 9.3775**, and if you desaturate by 10%, it is **65.8172, 68.7204, 15.3459**.

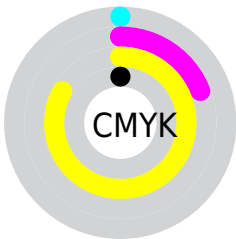
Distribution



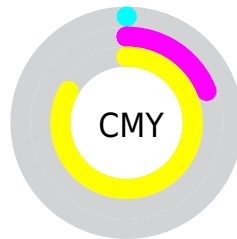
- Red (100%)
- Green (81%)
- Blue (17%)



- Red (42%)
- Yellow (100%)
- Blue (17%)



- Cyan (0%)
- Magenta (19%)
- Yellow (83%)
- Black (0%)



- Cyan (0%)
- Magenta (19%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7474, 65.5770, 11.5833 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 63.7474, 65.5770, 11.5833 by changing the saturation by 10% instead.

63.7474, 65.5770,
11.5833

63.7474, 65.5770,
11.5833

427.8936,
444.8626, 212.5058

46.7070, 47.9291,
6.3415

109.3228,
112.8790, 29.3868

33.0111, 33.7707,
2.9817

138.5886,
143.3019, 42.7857

22.2942, 22.7175,
1.0853

172.6603,
178.7519, 59.7406

14.1911, 14.3851,
0.0000

211.9031,
219.6134, 80.6702

8.3363, 8.3890,
0.0000

256.6825,
266.2709, 105.9930

4.3645, 4.3448,
0.0000

307.3638,

1.9103, 1.8683,

319.1086, 136.1275

0.0000

364.3124,
378.5110, 171.4922

■ 0.5828, 0.5292,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.7474, 65.5770,
11.5833

■ 63.7474, 65.5770,
11.5833

■ 62.0255, 62.6631,
9.3775


■ 65.8172, 68.7204,
15.3459


■ 60.9949, 60.7701,
8.5150

■ 68.2783, 72.1038,
20.9103


■ 71.1716, 75.7469,
28.4825

■ 74.5311, 79.6643,
38.2397

 78.3875, 83.8691,
50.3394

 82.7682, 88.3732,
64.9244

 87.6987, 93.1876,
82.1264

 93.2028, 98.3225,
102.0675

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



82.3825, 65.5770, 16.6661



63.7474, 65.5770, 11.5833



47.8415, 65.5770, 15.1839

Triad

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



63.7474, 65.5770, 11.5833



36.7785, 65.5770, 126.8087



95.7168, 65.5770, 137.3282

Complementary

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



63.7474, 65.5770, 11.5833



22.8737, 15.3881, 96.3718

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.



79.4805, 65.5770, 197.2385



63.7474, 65.5770, 11.5833



45.8263, 65.5770, 189.4069

Square

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



63.7474, 65.5770, 11.5833



34.1349, 65.5770, 67.4458



60.9317, 65.5770, 219.7615



102.8894, 65.5770, 75.5104

Rectangle

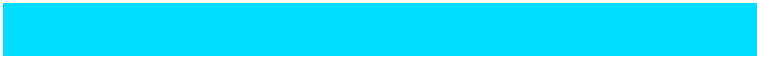
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.7474, 65.5770, 11.5833



40.4156, 65.5770, 23.8010



60.9317, 65.5770, 219.7615



91.0037, 65.5770, 159.2854

Sweetspot

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



63.7489, 65.5802, 11.5846



81.9102, 87.5101, 62.0086



44.0564, 23.7692, 12.4998



17.1972, 18.3889, 12.1494



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.



63.7489, 65.5802, 11.5846



60.9952, 60.7705, 8.5151



59.6083, 83.7636, 15.3126



19.1844, 20.3370, 19.0586



31.9904, 31.9921, 4.4890



3.1972, 3.2797, 0.4645

Inverse Universe

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



22.8737, 15.3881, 96.3718



19.6105, 10.3410, 95.5702



24.1187, 11.6314, 95.5811



17.3436, 18.0588, 22.8215



10.3396, 5.5888, 49.9684



1.0854, 0.7015, 4.8915

Previews

White Background



This preview shows how the XYZ color 63.7474, 65.5770, 11.5833 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 63.7474, 65.5770, 11.5833 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 63.7474, 65.5770, 11.5833

Background



This preview shows how black text looks on a background with the XYZ color 63.7474, 65.5770, 11.5833.



This preview shows how white text looks on a background with the XYZ color 63.7474, 65.5770,

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

63.7474, 65.5770, 11.5833

Protanopia

59.2770, 65.4536, 11.9922

Deuteranopia

65.9853, 65.7067, 25.7279



Tritanopia

72.3651, 65.2939, 68.4634

Trichromacy



Original Color

63.7474, 65.5770, 11.5833

Protanomaly

60.8094, 65.5081, 11.8222

Deuteranomaly

64.8745, 65.6439, 18.7025

Tritanomaly

67.2396, 64.7067, 36.9627

Monochromacy



Original Color

63.7474, 65.5770, 11.5833

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

56.2088, 60.0976, 35.0230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7474, 65.5770, 11.5833 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(255, 206, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 43)  
}
```

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(255, 206, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 43) }
```

Border

The CSS property to change the border of an element to XYZ 63.7474, 65.5770, 11.5833 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(255, 206, 43) }
```


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

```
.border{ border-color:rgb(255, 206, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7474, 65.5770, 11.5833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 43) }
```

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

```
.background{ background-color: rgb(255,  
206, 43) }
```

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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