

Converting Colors

XYZ(63.9724, 65.2886, 13.9350)

Have a look what the booklet for
XYZ(63.9724, 65.2886, 13.9350)
contains.

XYZ(63.9685, 65.2815, 13.9317)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.9685, 65.2815,
13.9317)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCD3F
RGB	255, 205, 63
RGB Percent	100%, 80%, 25%
CMY	0.0000, 0.1961, 0.7529
CMYK	0.00, 0.20, 0.75, 0.00
HSL	44°, 100%, 62%
HSV	44°, 75%, 100%
XYZ	63.9685, 65.2815, 13.9317
YIQ	203.7620, 75.3820, -33.5620

Conversions

Conversions Part 2

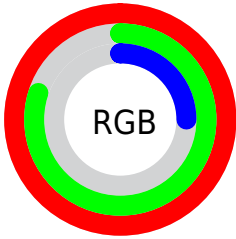
Format	Color
R_{YB}	131, 255, 63
Decimal	16764223
CIE _{Lab}	84.63, 4.43, 72.72
CIE _{LCh}	85, 72.851, 86.514
Yxy	65.2815, 0.4468, 0.4559
Android (android.graphics.Color)	4294954303 (0xFFFFCD3F)
YUV	203.7620, -69.3957, 44.9357
Hunter-Lab	80.7970, -0.0728, 46.3346

Details

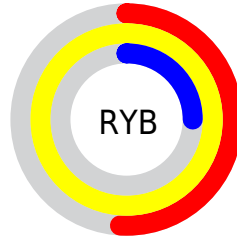
The XYZ color **63.9685, 65.2815, 13.9317** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **26.0049, 20.0865, 97.1135**, and the grayscale version is **57.6369, 60.6385, 66.0353**.

A 20% lighter version of the original color is **80.3902, 94.1361, 31.7024**, and **33.3147, 33.6026, 4.7301** is the 20% darker color. If you saturate the color by 10%, you get **61.8597, 61.9528, 10.4899**, and if you desaturate by 10%, it is **66.4774, 68.8833, 19.1346**.

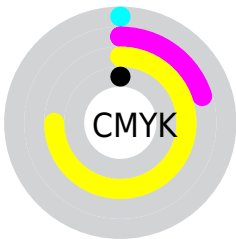
Distribution



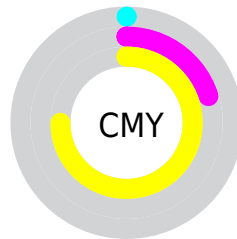
- Red (100%)
- Green (80%)
- Blue (25%)



- Red (51%)
- Yellow (100%)
- Blue (25%)



- Cyan (0%)
- Magenta (20%)
- Yellow (75%)
- Black (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9685, 65.2815, 13.9317 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 63.9685, 65.2815, 13.9317 by changing the saturation by 10% instead.

63.9685, 65.2815,
13.9317

63.9685, 65.2815,
13.9317

428.6799,
443.8029, 228.2192

46.8867, 47.6894,
7.9350

109.6396,
112.4545, 33.6832

33.1537, 33.5810,
3.9662

138.9596,
142.8041, 48.2750

22.4040, 22.5719,
1.6068

173.0897,
178.1750, 66.5689

14.2723, 14.2777,
0.2957

212.3954,
218.9516, 88.9835

8.3933, 8.3141,
0.0000

257.2418,
265.5183, 115.9373

4.4015, 4.2966,
0.0000

307.9945,

1.9317, 1.8408,

318.2595, 147.8488

0.0000

365.0188,
377.5596, 185.1366

■ 0.5952, 0.5124,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.9685, 65.2815,
13.9317

■ 63.9685, 65.2815,
13.9317

■ 61.8597, 61.9528,
10.4899

■ 66.4774, 68.8833,
19.1346

■ 60.0959, 58.8660,
8.5429

■ 69.4230, 72.7663,
26.3073

■ 59.3516, 57.4837,
7.9673

■ 72.8421, 76.9492,
35.6334

■ 76.7662, 81.4458,
47.2741

■ 81.2237, 86.2686,
61.3754

■ 86.2406, 91.4293,
78.0710

■ 91.8413, 96.9389,
97.4852

■ 95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



80.9457, 65.2815, 19.5020



63.9685, 65.2815, 13.9317



49.1113, 65.2815, 17.2924

Triad

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



63.9685, 65.2815, 13.9317



38.0657, 65.2815, 119.0139



91.9469, 65.2815, 132.8111

Complementary

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



63.9685, 65.2815, 13.9317



26.0049, 20.0865, 97.1135

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.



77.0780, 65.2815, 185.0782



63.9685, 65.2815, 13.9317



46.3475, 65.2815, 174.9645

Square

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



63.9685, 65.2815, 13.9317



35.7806, 65.2815, 65.7742



60.1665, 65.2815, 203.1467



98.7792, 65.2815, 76.6647

Rectangle

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



63.9685, 65.2815, 13.9317



42.0162, 65.2815, 25.5520



60.1665, 65.2815, 203.1467



87.6087, 65.2815, 152.2203

Sweetspot

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



63.9700, 65.2847, 13.9330



82.3239, 87.4219, 64.9688



46.0663, 26.0349, 18.5776



17.2526, 18.3248, 12.7072



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.



63.9700, 65.2847, 13.9330



60.9902, 60.4710, 9.4058



63.2925, 85.6095, 17.8918



19.1374, 20.2431, 19.0430



31.1404, 30.2920, 4.2057



3.1207, 3.1267, 0.4390

Inverse Universe

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



26.0049, 20.0865, 97.1135



21.7322, 13.9708, 96.1590



25.9881, 13.9514, 95.9302



17.3875, 18.1466, 22.8362



10.5635, 6.0366, 50.0430



1.1126, 0.7559, 4.9005

Previews

White Background



This preview shows how the XYZ color 63.9685, 65.2815, 13.9317 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 63.9685, 65.2815, 13.9317 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 63.9685, 65.2815, 13.9317

Background



This preview shows how black text looks on a background with the XYZ color 63.9685, 65.2815, 13.9317.



This preview shows how white text looks on a background with the XYZ color 63.9685, 65.2815,

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

63.9685, 65.2815, 13.9317

Protanopia

59.4227, 65.4731, 14.5067

Deuteranopia

65.7483, 65.2328, 25.6489



Tritanopia

72.2424, 65.2448, 67.8174

Trichromacy



Original Color

63.9685, 65.2815, 13.9317

Protanomaly

61.0341, 65.2042, 14.2193

Deuteranomaly

64.9905, 65.3088, 20.4897

Tritanomaly

67.5798, 64.4734, 39.8931

Monochromacy



Original Color

63.9685, 65.2815, 13.9317

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

57.7741, 61.1736, 38.8997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9685, 65.2815, 13.9317 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, 205, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 63)  
}
```

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, 205, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 63) }
```

Border

The CSS property to change the border of an element to XYZ 63.9685, 65.2815, 13.9317 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, 205, 63) }
```


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

```
.border{ border-color:rgb(255, 205, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9685, 65.2815, 13.9317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 63) }
```

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

```
.background{ background-color: rgb(255,  
205, 63) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor