

Converting Colors

XYZ(78.2037, 73.6124, 10.4259)

Have a look what the booklet for
XYZ(78.2037, 73.6124, 10.4259)
contains.

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Color

**XYZ(63.8622, 66.3983,
9.7981)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD00C
RGB	255, 208, 12
RGB Percent	100%, 82%, 5%
CMY	0.0000, 0.1843, 0.9528
CMYK	0.00, 0.18, 0.95, 0.00
HSL	48°, 100%, 52%
HSV	48°, 95%, 100%
XYZ	63.8622, 66.3983, 9.7981
YIQ	199.7090, 90.9280, -50.9920

Conversions

Conversions Part 2

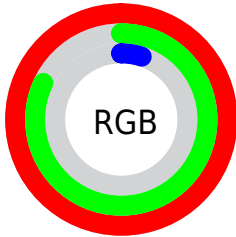
Format	Color
RYB	70, 255, 12
Decimal	16764940
CIELab	85.20, 1.73, 84.86
CIELCh	85, 84.875, 88.834
Yxy	66.3983, 0.4560, 0.4741
Android (android.graphics.Color)	4294955020 (0xFFFFD00C)
YUV	199.7090, -92.5405, 48.4902
Hunter-Lab	81.4852, -2.7036, 49.9103

Details

The XYZ color **63.8622, 66.3983, 9.7981** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **19.7666, 10.4278, 95.5778**, and the grayscale version is **55.2360, 58.1126, 63.2846**.

A 20% lighter version of the original color is **78.8455, 93.5182, 23.5681**, and **33.5479, 34.4487, 4.8811** is the 20% darker color. If you saturate the color by 10%, you get **63.2343, 65.2492, 9.2616**, and if you desaturate by 10%, it is **65.3607, 68.9544, 11.6583**.

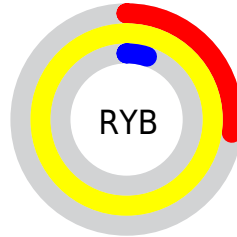
Distribution



Red (100%)

Green (82%)

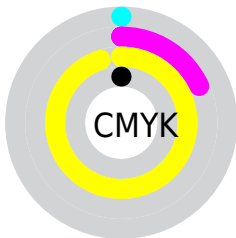
Blue (5%)



Red (27%)

Yellow (100%)

Blue (5%)

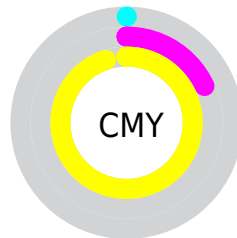


Cyan (0%)

Magenta (18%)

Yellow (95%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8622, 66.3983, 9.7981 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 63.8622, 66.3983, 9.7981 by changing the saturation by 10% instead.


 63.8622, 66.3983,
9.7981


 63.8622, 66.3983,
9.7981


428.3020,
447.8000, 199.6571

 46.8003, 48.5958,
5.1614


 109.4873,
114.0578, 26.0169


 33.0851, 34.2990,
2.2819


 138.7813,
144.6836, 38.4361

 22.3512, 23.1234,
0.7211


 172.8833,
180.3526, 54.2866

 14.2332, 14.6846,
0.0000

 212.1587,
221.4493, 73.9869

 8.3659, 8.5983,
0.0000

 256.9730,
268.3580, 97.9556

 4.3837, 4.4801,
0.0000

 307.6914,

 1.9214, 1.9456,

321.4630, 126.6112

0.0000

364.6792,
381.1489, 160.3722

■ 0.5892, 0.5756,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.8622, 66.3983,
9.7981

■ 63.8622, 66.3983,
9.7981

■ 63.2343, 65.2492,
9.2616

■ 65.3607, 68.9544,
11.6583

■ 67.1753, 71.6946,
15.0040

■ 69.3577, 74.6428,
20.0986

■ 71.9485, 77.8158,
27.1545

■ 74.9825, 81.2279,
36.3536

■ 78.4907, 84.8922,
47.8574

■ 82.5010, 88.8202,
61.8113

■ 87.0392, 93.0226,
78.3491

■ 92.1289, 97.5097,
97.5948

Harmonies

Analogous

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



84.1587, 66.3983, 14.3824



63.8622, 66.3983, 9.7981



46.9582, 66.3983, 13.6632

Triad

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



63.8622, 66.3983, 9.7981



36.0262, 66.3983, 136.0485



100.1711, 66.3983, 141.7955

Complementary

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



63.8622, 66.3983, 9.7981



19.7666, 10.4278, 95.5778

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.



82.5954, 66.3983, 209.6993



63.8622, 66.3983, 9.7981



45.9001, 66.3983, 205.3631

Square

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



63.8622, 66.3983, 9.7981



32.9787, 66.3983, 70.1707



62.3629, 66.3983, 237.3954



107.5706, 66.3983, 74.4647

Rectangle

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



63.8622, 66.3983, 9.7981



39.2409, 66.3983, 22.7126



62.3629, 66.3983, 237.3954



95.1027, 66.3983, 166.3539

Sweetspot

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



63.8637, 66.4015, 9.7994



80.9516, 87.3301, 56.3328



42.2034, 21.8562, 6.3555



16.9649, 18.3357, 10.8033



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.



63.8637, 66.4015, 9.7994



63.2349, 65.2498, 9.2616



55.1427, 81.5040, 13.1741



19.2451, 20.4584, 19.0789



33.1476, 34.3065, 4.8748



3.3004, 3.4862, 0.4990

Inverse Universe

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



19.7666, 10.4278, 95.5778



19.1616, 9.4433, 95.4205



21.9203, 9.4108, 95.2680



17.2873, 17.9462, 22.8028



10.0927, 5.0950, 49.8861



1.0538, 0.6383, 4.8809

Previews

White Background



This preview shows how the XYZ color 63.8622, 66.3983, 9.7981 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 63.8622, 66.3983, 9.7981 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 63.8622, 66.3983, 9.7981

Background



This preview shows how black text looks on a background with the XYZ color 63.8622, 66.3983, 9.7981.



This preview shows how white text looks on a background with the XYZ color 63.8622, 66.3983,

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

63.8622, 66.3983, 9.7981

Protanopia

60.0753, 66.6558, 10.1898

Deuteranopia

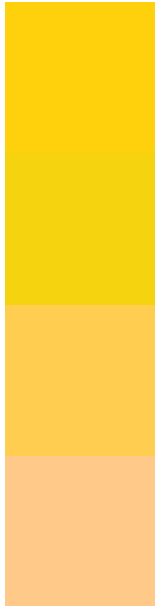
66.4615, 66.2787, 27.0595



Tritanopia

72.9427, 66.2516, 69.2649

Trichromacy



Original Color

63.8622, 66.3983, 9.7981

Protanomaly

61.2859, 66.5339, 10.0642

Deuteranomaly

64.7965, 65.9967, 17.1081

Tritanomaly

66.8759, 65.3072, 32.7477

Monochromacy



Original Color

63.8622, 66.3983, 9.7981

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

55.0360, 59.5935, 30.4318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8622, 66.3983, 9.7981 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, 208, 12)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 12)  
}
```

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, 208, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 12) }
```

Border

The CSS property to change the border of an element to XYZ 63.8622, 66.3983, 9.7981 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, 208, 12) }
```


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

```
.border{ border-color:rgb(255, 208, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 208, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 12);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8622, 66.3983, 9.7981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 12) }
```

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

```
.background{ background-color: rgb(255,  
208, 12) }
```

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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