

Converting Colors

XYZ(66.4518, 68.2634, 20.8782)

Have a look what the booklet for
XYZ(66.4518, 68.2634, 20.8782)
contains.

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Color

**XYZ(66.4443, 68.2163,
20.9743)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD261
RGB	255, 210, 97
RGB Percent	100%, 82%, 38%
CMY	0.0000, 0.1764, 0.6196
CMYK	0.00, 0.18, 0.62, 0.00
HSL	43°, 100%, 69%
HSV	43°, 62%, 100%
XYZ	66.4443, 68.2163, 20.9743
YIQ	210.5730, 63.0930, -25.6030

Conversions

Conversions Part 2

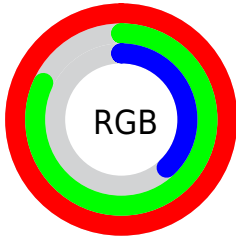
Format	Color
RYB	160, 255, 97
Decimal	16765537
CIELab	86.11, 3.61, 60.55
CIELCh	86, 60.660, 86.592
Yxy	68.2163, 0.4269, 0.4383
Android (android.graphics.Color)	4294955617 (0xFFFFD261)
YUV	210.5730, -55.9915, 38.9625
Hunter-Lab	82.5932, -0.9389, 42.7587

Details

The XYZ color **66.4443, 68.2163, 20.9743** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.6524, 29.1063, 98.5044**, and the grayscale version is **61.9651, 65.1921, 70.9942**.

A 20% lighter version of the original color is **82.5859, 95.0144, 43.2650**, and **34.8121, 35.5462, 7.2168** is the 20% darker color. If you saturate the color by 10%, you get **63.6892, 64.3129, 15.1031**, and if you desaturate by 10%, it is **69.6660, 72.4418, 28.8871**.

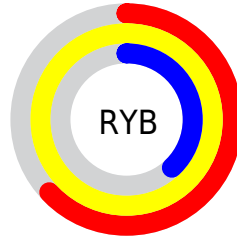
Distribution



Red (100%)

Green (82%)

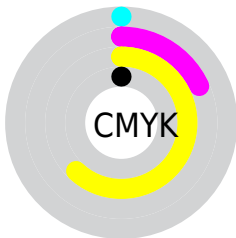
Blue (38%)



Red (63%)

Yellow (100%)

Blue (38%)

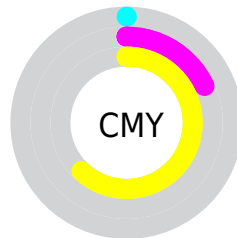


Cyan (0%)

Magenta (18%)

Yellow (62%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.4443, 68.2163, 20.9743 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 66.4443, 68.2163, 20.9743 by changing the saturation by 10% instead.


 66.4443, 68.2163,
20.9743


 66.4443, 68.2163,
20.9743


437.4278,
454.2620, 269.9184

 48.9022, 50.0737,
12.9142


 113.1780,
116.6615, 45.9250


 34.7561, 35.4720,
7.2394


 143.1003,
147.7330, 63.6526

 23.6407, 24.0267,
3.5316


 177.8800,
183.8828, 85.4398

 15.1906, 15.3534,
1.3721

 217.8826,
225.4955, 111.7052

 9.0404, 9.0678,
0.1198

263.4733,
272.9553, 142.8671

 4.8249, 4.7854,
0.0000

315.0175,

 2.1786, 2.1219,

326.6467, 179.3443

0.0000

372.8805,
386.9542, 221.5552

■ 0.7314, 0.6769,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.4443, 68.2163,
20.9743

■ 66.4443, 68.2163,
20.9743

■ 63.6892, 64.3129,
15.1031

■ 69.6660, 72.4418,
28.8871

■ 61.3566, 60.7045,
11.0684

■ 73.3837, 76.9948,
39.0120

■ 59.4013, 57.3736,
8.6290

■ 77.6294, 81.8926,
51.5062

■ 58.0463, 54.8730,
7.5322

■ 82.4311, 87.1478,
66.5112

■ 87.8143, 92.7723,
84.1577

■ 93.8031, 98.7774,
104.5668

■ 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.



80.7460, 68.2163, 26.8529



66.4443, 68.2163, 20.9743



53.5628, 68.2163, 24.6026

Triad

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



66.4443, 68.2163, 20.9743



43.6988, 68.2163, 114.2154



89.8887, 68.2163, 125.0742

Complementary

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



66.4443, 68.2163, 20.9743



32.6524, 29.1063, 98.5044

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.



77.5929, 68.2163, 166.2530



66.4443, 68.2163, 20.9743



51.1691, 68.2163, 158.5649

Square

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



66.4443, 68.2163, 20.9743



41.5903, 68.2163, 69.8047



63.2569, 68.2163, 180.2950



95.4478, 68.2163, 78.9342

Rectangle

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



66.4443, 68.2163, 20.9743



47.2474, 68.2163, 33.0231



63.2569, 68.2163, 180.2950



86.3274, 68.2163, 140.5120

Sweetspot

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



66.4459, 68.2196, 20.9757



83.9629, 88.7738, 71.4532



50.5796, 31.8358, 30.0260



17.6545, 18.6648, 14.2708



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.



66.4459, 68.2196, 20.9757



63.1805, 63.5533, 14.1378



68.4725, 88.1344, 24.7128



19.0985, 20.1651, 19.0300



30.4643, 28.9398, 3.9803



3.0594, 3.0042, 0.4186

Inverse Universe

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



32.6524, 29.1063, 98.5044



27.0378, 21.8303, 97.3964



31.3179, 20.4060, 96.8954



17.4242, 18.2200, 22.8484



10.7723, 6.4542, 50.1126



1.1371, 0.8050, 4.9087

Previews

White Background



This preview shows how the XYZ color 66.4443, 68.2163, 20.9743 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 66.4443, 68.2163, 20.9743 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 66.4443, 68.2163, 20.9743

Background



This preview shows how black text looks on a background with the XYZ color 66.4443, 68.2163, 20.9743.



This preview shows how white text looks on a background with the XYZ color 66.4443, 68.2163,

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

66.4443, 68.2163, 20.9743

Protanopia

62.4046, 68.3633, 21.7107

Deuteranopia

68.5295, 68.2652, 34.3756



Tritanopia

74.3708, 68.3052, 72.2152

Trichromacy



Original Color

66.4443, 68.2163, 20.9743

Protanomaly

63.9074, 68.3875, 21.3871

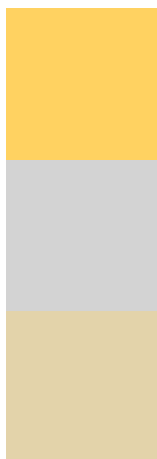
Deuteranomaly

67.6786, 68.3162, 28.6881

Tritanomaly

70.4220, 67.8629, 47.9153

Monochromacy



Original Color

66.4443, 68.2163, 20.9743

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

62.2285, 65.8217, 47.4553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4443, 68.2163, 20.9743 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, 210, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 97)  
}
```

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, 210, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 97) }
```

Border

The CSS property to change the border of an element to XYZ 66.4443, 68.2163, 20.9743 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, 210, 97) }
```


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

```
.border{ border-color:rgb(255, 210, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4443, 68.2163, 20.9743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 97) }
```

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

```
.background{ background-color: rgb(255,  
210, 97) }
```

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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