

Converting Colors

XYZ(66.6850, 68.3126, 22.2413)

Have a look what the booklet for
XYZ(66.6850, 68.3126, 22.2413)
contains.

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Color

**XYZ(66.6849, 68.3125,
22.2413)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD266
RGB	255, 210, 102
RGB Percent	100%, 82%, 40%
CMY	0.0000, 0.1764, 0.6000
CMYK	0.00, 0.18, 0.60, 0.00
HSL	42°, 100%, 70%
HSV	42°, 60%, 100%
XYZ	66.6849, 68.3125, 22.2413
YIQ	211.1430, 61.4880, -24.0480

Conversions

Conversions Part 2

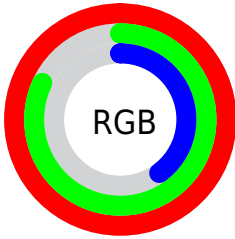
Format	Color
R _Y B	166, 255, 102
Decimal	16765542
CIE Lab	86.16, 3.93, 58.36
CIE LCh	86, 58.488, 86.143
Yxy	68.3125, 0.4241, 0.4345
Android (android.graphics.Color)	4294955622 (0xFFFFD266)
YUV	211.1430, -53.8075, 38.4626
Hunter-Lab	82.6514, -0.6223, 41.9012

Details

The XYZ color **66.6849, 68.3125, 22.2413** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.9628, 30.9111, 98.7838**, and the grayscale version is **62.3291, 65.5750, 71.4112**.

A 20% lighter version of the original color is **83.0008, 95.1803, 45.4495**, and **34.9276, 35.5924, 7.8254** is the 20% darker color. If you saturate the color by 10%, you get **63.8018, 64.2685, 15.9719**, and if you desaturate by 10%, it is **70.0469, 72.6922, 30.5901**.

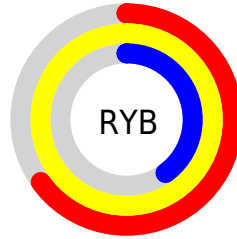
Distribution



Red (100%)

Green (82%)

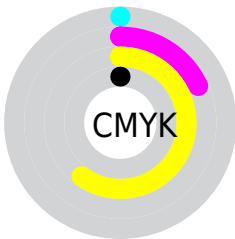
Blue (40%)



Red (65%)

Yellow (100%)

Blue (40%)

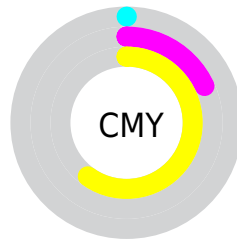


Cyan (0%)

Magenta (18%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6849, 68.3125, 22.2413 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 66.6849, 68.3125, 22.2413 by changing the saturation by 10% instead.

66.6849, 68.3125,
22.2413

66.6849, 68.3125,
22.2413

438.2725,
454.6024, 276.7983

49.0984, 50.1520,
13.8343

113.5211,
116.7991, 48.0518

34.9124, 35.5342,
7.8681

143.5014,
147.8940, 66.2924

23.7616, 24.0747,
3.9241

178.3437,
184.0691, 88.6479

15.2806, 15.3890,
1.5838

218.4134,
225.7089, 115.5368

9.1042, 9.0929,
0.2792

264.0757,
273.1977, 147.3778

4.8668, 4.8018,
0.0000

315.6961,

2.2033, 2.1314,

326.9200, 184.5894

0.0000

373.6399,
387.2601, 227.5900

■ 0.7445, 0.6822,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.6849, 68.3125,
22.2413

■ 66.6849, 68.3125,
22.2413

■ 63.8018, 64.2685,
15.9719

■ 70.0469, 72.6922,
30.5901

■ 61.3545, 60.5331,
11.5826

■ 73.9163, 77.4129,
41.1846

■ 59.2995, 57.0897,
8.8424

■ 78.3249, 82.4917,
54.1790

■ 57.5633, 53.9068,
7.3712

■ 83.3001, 87.9414,
69.7125

■ 57.5631, 53.9064,
7.3711

■ 88.8674, 93.7739,
87.9137

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.



80.4355, 68.3125, 28.2577



66.6849, 68.3125, 22.2413



54.1838, 68.3125, 25.7231

Triad

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



66.6849, 68.3125, 22.2413



44.3633, 68.3125, 112.0368



88.8703, 68.3125, 123.7675

Complementary

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



66.6849, 68.3125, 22.2413



33.9628, 30.9111, 98.7838

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.



77.0084, 68.3125, 162.6913



66.6849, 68.3125, 22.2413



51.5556, 68.3125, 154.4366

Square

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



66.6849, 68.3125, 22.2413



42.3856, 68.3125, 69.5070



63.2042, 68.3125, 175.5032



94.3137, 68.3125, 79.4770

Rectangle

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



66.6849, 68.3125, 22.2413



48.0034, 68.3125, 33.9488



63.2042, 68.3125, 175.5032



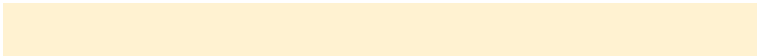
85.4279, 68.3125, 138.4342

Sweetspot

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



66.6865, 68.3158, 22.2427



84.3651, 89.0765, 73.1335



51.3290, 32.8983, 31.6210



17.7275, 18.7135, 14.5952



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.



66.6865, 68.3158, 22.2427



63.2786, 63.4968, 14.9497



69.0229, 88.3904, 25.9943



19.0836, 20.1354, 19.0250



30.2138, 28.4389, 3.8968



3.0366, 2.9586, 0.4110

Inverse Universe

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



33.9628, 30.9111, 98.7838



28.0614, 23.3416, 97.6341



32.4118, 21.6775, 97.0833



17.4383, 18.2481, 22.8531



10.8575, 6.6245, 50.1410



1.1469, 0.8246, 4.9120

Previews

White Background



This preview shows how the XYZ color 66.6849, 68.3125, 22.2413 looks on a white background.

Color Contrast Check

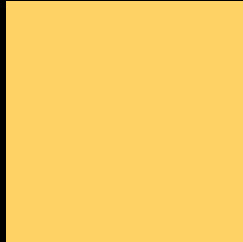
Large Text (above 18pt) WCAG AA × Fail

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 66.6849, 68.3125, 22.2413 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 66.6849, 68.3125, 22.2413

Background



This preview shows how black text looks on a background with the XYZ color 66.6849, 68.3125, 22.2413.



This preview shows how white text looks on a background with the XYZ color 66.6849, 68.3125,

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

66.6849, 68.3125, 22.2413

Protanopia

62.6512, 68.4619, 23.0091

Deuteranopia

68.6036, 68.2948, 34.7657



Tritanopia

74.4981, 68.3561, 72.8859

Trichromacy



Original Color

66.6849, 68.3125, 22.2413

Protanomaly

64.1509, 68.4849, 22.6698

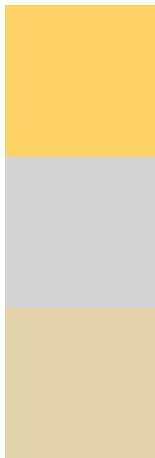
Deuteranomaly

67.8712, 68.3932, 29.7027

Tritanomaly

70.6141, 67.9398, 48.9271

Monochromacy



Original Color

66.6849, 68.3125, 22.2413

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

62.3235, 65.8597, 47.9555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6849, 68.3125, 22.2413 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 102) }
```

Border

The CSS property to change the border of an element to XYZ 66.6849, 68.3125, 22.2413 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, 102) }
```


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

```
.border{ border-color:rgb(255, 210, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6849, 68.3125, 22.2413 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
210, 102) }
```

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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