

Converting Colors

XYZ(87.8480, 79.1170, 22.9623)

Have a look what the booklet for
XYZ(87.8480, 79.1170, 22.9623)
contains.

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Color

**XYZ(66.6356, 68.2928,
21.9817)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD265
RGB	255, 210, 101
RGB Percent	100%, 82%, 40%
CMY	0.0000, 0.1764, 0.6039
CMYK	0.00, 0.18, 0.60, 0.00
HSL	42°, 100%, 70%
HSV	42°, 60%, 100%
XYZ	66.6356, 68.2928, 21.9817
YIQ	211.0290, 61.8090, -24.3590

Conversions

Conversions Part 2

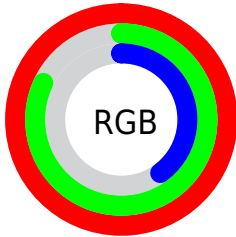
Format	Color
RYB	165, 255, 101
Decimal	16765541
CIELab	86.15, 3.87, 58.80
CIELCh	86, 58.926, 86.237
Yxy	68.2928, 0.4247, 0.4352
Android (android.graphics.Color)	4294955621 (0xFFFFD265)
YUV	211.0290, -54.2443, 38.5626
Hunter-Lab	82.6395, -0.6871, 42.0768

Details

The XYZ color **66.6356, 68.2928, 21.9817** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.6954, 30.5434, 98.7268**, and the grayscale version is **62.2562, 65.4984, 71.3277**.

A 20% lighter version of the original color is **82.9164, 95.1466, 45.0053**, and **34.9072, 35.5843, 7.7180** is the 20% darker color. If you saturate the color by 10%, you get **63.7785, 64.2775, 15.7926**, and if you desaturate by 10%, it is **69.9691, 72.6409, 30.2427**.

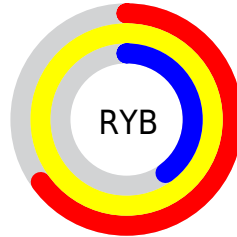
Distribution



Red (100%)

Green (82%)

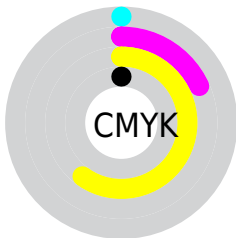
Blue (40%)



Red (65%)

Yellow (100%)

Blue (40%)

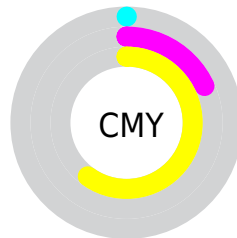


Cyan (0%)

Magenta (18%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.6356, 68.2928, 21.9817 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 66.6356, 68.2928, 21.9817 by changing the saturation by 10% instead.


 66.6356, 68.2928,
21.9817


 66.6356, 68.2928,
21.9817


438.0995,
454.5327, 275.4011


 49.0582, 50.1360,
13.6453


 113.4508,
116.7709, 47.6176


 34.8803, 35.5215,
7.7384


 143.4192,
147.8610, 65.7540

 23.7368, 24.0648,
3.8427

 178.2488,
184.0310, 87.9943

 15.2622, 15.3817,
1.5394

 218.3047,
225.6652, 114.7569

 9.0911, 9.0877,
0.2470

263.9523,
273.1481, 146.4603

 4.8582, 4.7984,
0.0000

315.5571,

 2.1982, 2.1295,

326.8640, 183.5231

0.0000

373.4844,
387.1975, 226.3639

■ 0.7418, 0.6811,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.6356, 68.2928,
21.9817

■ 66.6356, 68.2928,
21.9817

■ 63.7785, 64.2775,
15.7926

■ 69.9691, 72.6409,
30.2427

■ 61.3545, 60.5681,
11.4751


■ 73.8077, 77.3273,
40.7427

■ 59.3198, 57.1476,
8.7960

■ 78.1832, 82.3691,
53.6365

■ 57.6616, 54.1034,
7.4039

■ 83.1232, 87.7789,
69.0638

 88.6531, 93.5688,
87.1535

94.7967, 99.7499,
108.0257

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.



80.4973, 68.2928, 27.9701



66.6356, 68.2928, 21.9817



54.0576, 68.2928, 25.4947

Triad

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



66.6356, 68.2928, 21.9817



44.2287, 68.2928, 112.4748



89.0749, 68.2928, 124.0282

Complementary

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



66.6356, 68.2928, 21.9817



33.6954, 30.5434, 98.7268

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.



77.1261, 68.2928, 163.4037



66.6356, 68.2928, 21.9817



51.4776, 68.2928, 155.2637

Square

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



66.6356, 68.2928, 21.9817



42.2243, 68.2928, 69.5679



63.2150, 68.2928, 176.4619



94.5413, 68.2928, 79.3657

Rectangle

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



66.6356, 68.2928, 21.9817



47.8499, 68.2928, 33.7611



63.2150, 68.2928, 176.4619



85.6087, 68.2928, 138.8495

Sweetspot

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



66.6372, 68.2961, 21.9831



84.3911, 89.1286, 73.1422



51.1762, 32.6808, 31.2977



17.7339, 18.7263, 14.5973



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.



66.6372, 68.2961, 21.9831



63.3604, 63.6605, 14.9770



68.9115, 88.3386, 25.7318



19.0867, 20.1415, 19.0261



30.2649, 28.5410, 3.9138



3.0413, 2.9679, 0.4126

Inverse Universe

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



33.6954, 30.5434, 98.7268



28.0169, 23.2526, 97.6193



32.1888, 21.4176, 97.0448



17.4354, 18.2423, 22.8521



10.8397, 6.5891, 50.1351



1.1449, 0.8205, 4.9113

Previews

White Background



This preview shows how the XYZ color 66.6356, 68.2928, 21.9817 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 66.6356, 68.2928, 21.9817 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 66.6356, 68.2928, 21.9817

Background



This preview shows how black text looks on a background with the XYZ color 66.6356, 68.2928, 21.9817.



This preview shows how white text looks on a background with the XYZ color 66.6356, 68.2928,

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

66.6356, 68.2928, 21.9817

Protanopia

62.6007, 68.4417, 22.7431

Deuteranopia

68.6036, 68.2948, 34.7657



Tritanopia

74.4981, 68.3561, 72.8859

Trichromacy



Original Color

66.6356, 68.2928, 21.9817

Protanomaly

64.1010, 68.4649, 22.4069

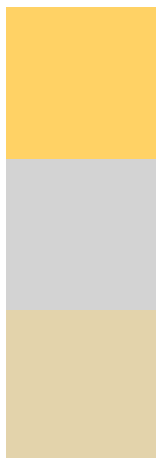
Deuteranomaly

67.8064, 68.3673, 29.3611

Tritanomaly

70.6141, 67.9398, 48.9271

Monochromacy



Original Color

66.6356, 68.2928, 21.9817

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 66.6356, 68.2928, 21.9817 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 101) }
```

Border

The CSS property to change the border of an element to XYZ 66.6356, 68.2928, 21.9817 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, 101) }
```


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

```
.border{ border-color:rgb(255, 210, 101) }
```

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, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 101);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6356, 68.2928, 21.9817 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, 101) }
```

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

```
.background{ background-color: rgb(255,  
210, 101) }
```

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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