

Converting Colors

XYZ(66.3457, 67.3917, 22.8757)

Have a look what the booklet for
XYZ(66.3457, 67.3917, 22.8757)
contains.

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Color

**XYZ(66.3457, 67.3917,
22.8757)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD069
RGB	255, 208, 105
RGB Percent	100%, 82%, 41%
CMY	0.0000, 0.1843, 0.5882
CMYK	0.00, 0.18, 0.59, 0.00
HSL	41°, 100%, 71%
HSV	41°, 59%, 100%
XYZ	66.3457, 67.3917, 22.8757
YIQ	210.3110, 61.0750, -22.0690

Conversions

Conversions Part 2

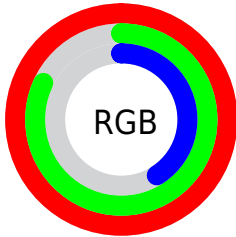
Format	Color
R_{YB}	173, 255, 105
Decimal	16765033
CIE _{Lab}	85.70, 5.17, 56.45
CIE _{LCh}	86, 56.687, 84.770
Yxy	67.3917, 0.4236, 0.4303
Android (android.graphics.Color)	4294955113 (0xFFFFD069)
YUV	210.3110, -51.9183, 39.1923
Hunter-Lab	82.0924, 0.5988, 40.9431

Details

The XYZ color **66.3457, 67.3917, 22.8757** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.1035, 32.6784, 99.0647**, and the grayscale version is **61.7671, 64.9838, 70.7673**.

A 20% lighter version of the original color is **83.2580, 95.2832, 46.8042**, and **34.6811, 34.9612, 8.1691** is the 20% darker color. If you saturate the color by 10%, you get **63.3279, 63.1486, 16.3446**, and if you desaturate by 10%, it is **69.8577, 71.9947, 31.5110**.

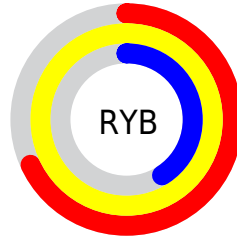
Distribution



Red (100%)

Green (82%)

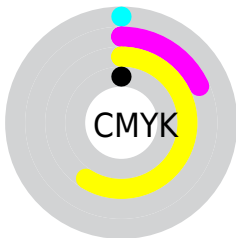
Blue (41%)



Red (68%)

Yellow (100%)

Blue (41%)

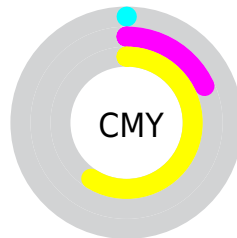


Cyan (0%)

Magenta (18%)

Yellow (59%)

Black (0%)



Cyan (0%)


Magenta (18%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3457, 67.3917, 22.8757 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 66.3457, 67.3917, 22.8757 by changing the saturation by 10% instead.


 66.3457, 67.3917,
22.8757


 66.3457, 67.3917,
22.8757


437.0814,
451.3378, 280.1871

 48.8218, 49.4030,
14.2973


 113.0373,
115.4815, 49.1098


 34.6921, 34.9393,
8.1866


 142.9358,
146.3514, 67.6025

 23.5912, 23.6161,
4.1251


 177.6899,
182.2838, 90.2371

 15.1537, 15.0491,
1.6942

 217.6649,
223.6632, 117.4321

 9.0144, 8.8538,
0.3568

263.2262,
270.8739, 149.6061

 4.8077, 4.6460,
0.0000

314.7391,

 2.1685, 2.0411,

324.3003, 187.1776

0.0000

372.5691,
384.3268, 230.5651

■ 0.7261, 0.6312,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.3457, 67.3917,
22.8757

■ 66.3457, 67.3917,
22.8757

■ 63.3279, 63.1486,
16.3446

■ 69.8577, 71.9947,
31.5110

■ 60.7617, 59.2383,
11.7220

■ 73.8923, 76.9633,
42.4146

■ 58.6043, 55.6438,
8.7820

■ 78.4812, 82.3151,
55.7390

■ 56.7916, 52.3372,
7.1951

■ 83.6517, 88.0631,
71.6222

■ 56.5912, 51.9628,
7.0471

■ 89.4293, 94.2196,
90.1916

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.



79.4841, 67.3917, 29.2464



66.3457, 67.3917, 22.8757



54.1965, 67.3917, 25.8718

Triad

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



66.3457, 67.3917, 22.8757



44.0365, 67.3917, 107.4159



86.5711, 67.3917, 122.5628

Complementary

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



66.3457, 67.3917, 22.8757



35.1035, 32.6784, 99.0647

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.



75.0392, 67.3917, 158.8207



66.3457, 67.3917, 22.8757



50.7620, 67.3917, 148.2116

Square

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



66.3457, 67.3917, 22.8757



42.3580, 67.3917, 67.0803



61.8153, 67.3917, 169.5118



92.1228, 67.3917, 80.0582

Rectangle

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



66.3457, 67.3917, 22.8757



48.0989, 67.3917, 33.5632



61.8153, 67.3917, 169.5118



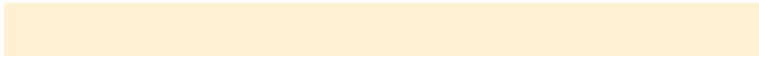
83.1962, 67.3917, 136.3845

Sweetspot

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



66.3473, 67.3949, 22.8770



84.1039, 88.5542, 73.0465



52.0004, 33.6471, 33.6755



17.6634, 18.5852, 14.5738



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.



66.3473, 67.3949, 22.8770



62.7322, 62.2694, 15.1826



70.1463, 88.9520, 26.8377



19.0530, 20.0742, 19.0148



29.7099, 27.4310, 3.7288



2.9906, 2.8665, 0.3957

Inverse Universe

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



35.1035, 32.6784, 99.0647



28.9424, 24.8183, 97.8727



32.6963, 22.2698, 97.1825



17.4673, 18.3062, 22.8628



11.0430, 6.9956, 50.2028



1.1680, 0.8667, 4.9190

Previews

White Background



This preview shows how the XYZ color 66.3457, 67.3917, 22.8757 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 66.3457, 67.3917, 22.8757 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 66.3457, 67.3917, 22.8757

Background



This preview shows how black text looks on a background with the XYZ color 66.3457, 67.3917, 22.8757.



This preview shows how white text looks on a background with the XYZ color 66.3457, 67.3917,

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

66.3457, 67.3917, 22.8757

Protanopia

61.8793, 67.6669, 23.7096

Deuteranopia

67.8267, 67.2088, 33.0646



Tritanopia

73.7779, 67.3220, 71.3933

Trichromacy



Original Color

66.3457, 67.3917, 22.8757

Protanomaly

63.4532, 67.3607, 23.2932

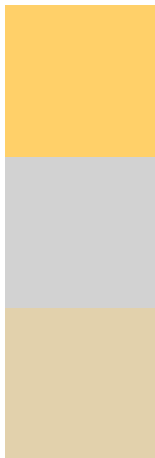
Deuteranomaly

67.2545, 67.3663, 28.8603

Tritanomaly

70.1388, 66.9890, 48.7686

Monochromacy



Original Color

66.3457, 67.3917, 22.8757

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

61.6109, 64.7482, 48.2801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3457, 67.3917, 22.8757 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 105) }
```

Border

The CSS property to change the border of an element to XYZ 66.3457, 67.3917, 22.8757 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, 105) }
```


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

```
.border{ border-color:rgb(255, 208, 105) }
```

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, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3457, 67.3917, 22.8757 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, 105) }
```

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

```
.background{ background-color: rgb(255,  
208, 105) }
```

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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