

Converting Colors

XYZ(127.8284, 100.0000,
27.8521)

Have a look what the booklet for
XYZ(127.8284, 100.0000, 27.8521)
contains.

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Color

**XYZ(67.4589, 69.0184,
25.0956)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD370
RGB	255, 211, 112
RGB Percent	100%, 83%, 44%
CMY	0.0000, 0.1725, 0.5608
CMYK	0.00, 0.17, 0.56, 0.00
HSL	42°, 100%, 72%
HSV	42°, 56%, 100%
XYZ	67.4589, 69.0184, 25.0956
YIQ	212.8700, 58.0030, -21.4610

Conversions

Conversions Part 2

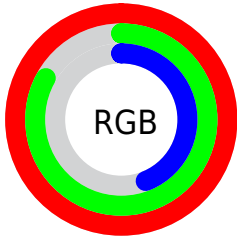
Format	Color
R _Y B	176, 255, 112
Decimal	16765808
CIE Lab	86.51, 4.14, 54.12
CIE LCh	87, 54.280, 85.631
Yxy	69.0184, 0.4175, 0.4272
Android (android.graphics.Color)	4294955888 (0xFFFFD370)
YUV	212.8700, -49.7289, 36.9480
Hunter-Lab	83.0773, -0.4430, 40.2441

Details

The XYZ color **67.4589, 69.0184, 25.0956** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.6200, 34.4403, 99.3249**, and the grayscale version is **63.4553, 66.7599, 72.7015**.

A 20% lighter version of the original color is **83.8829, 95.5332, 50.0950**, and **35.3783, 36.0423, 9.3672** is the 20% darker color. If you saturate the color by 10%, you get **64.3340, 64.7282, 18.0137**, and if you desaturate by 10%, it is **71.0842, 73.6662, 34.3288**.

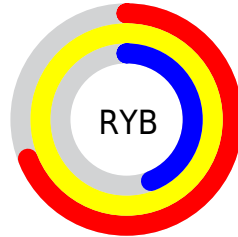
Distribution



Red (100%)

Green (83%)

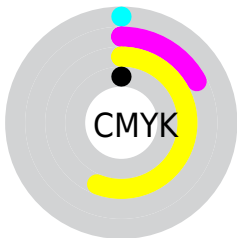
Blue (44%)



Red (69%)

Yellow (100%)

Blue (44%)

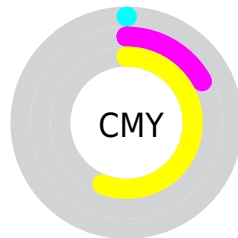


Cyan (0%)

Magenta (17%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.4589, 69.0184, 25.0956 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 67.4589, 69.0184, 25.0956 by changing the saturation by 10% instead.


 67.4589, 69.0184,
25.0956


 67.4589, 69.0184,
25.0956


440.9833,
457.0959, 291.7766

 49.7297, 50.7267,
15.9286


 114.6239,
117.8079, 52.7783

 35.4156, 35.9911,
9.3199


 144.7904,
149.0744, 72.1311

 24.1512, 24.4274,
4.8507


 179.8334,
185.4347, 95.7163

 15.5712, 15.6509,
2.1028

220.1183,
227.2731, 123.9524

 9.3101, 9.2775,
0.6174

266.0104,
274.9740, 157.2579

 5.0027, 4.9226,
0.0000

317.8750,

 2.2836, 2.2019,

328.9218, 196.0515

0.0000

376.0775,
389.5010, 240.7515

■ 0.7863, 0.7210,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.4589, 69.0184,
25.0956

■ 67.4589, 69.0184,
25.0956

■ 64.3340, 64.7282,
18.0137

■ 71.0842, 73.6662,
34.3288

■ 61.6683, 60.7692,
12.8946


■ 75.2371, 78.6768,
45.8722


■ 59.4213, 57.1254,
9.5240

■ 79.9485, 84.0671,
59.8743

■ 57.5406, 53.7738,
7.6339

■ 85.2451, 89.8499,
76.4698

 56.8731, 52.5264,
7.1411

 91.1519, 96.0370,
95.7838

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.



80.2158, 69.0184, 31.2627



67.4589, 69.0184, 25.0956



55.6881, 69.0184, 28.4145

Triad

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



67.4589, 69.0184, 25.0956



46.1282, 69.0184, 109.2543



87.6466, 69.0184, 121.4029

Complementary

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



67.4589, 69.0184, 25.0956



36.6200, 34.4403, 99.3249

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.



76.6232, 69.0184, 156.4531



67.4589, 69.0184, 25.0956



52.8769, 69.0184, 148.0099

Square

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



67.4589, 69.0184, 25.0956



44.3266, 69.0184, 69.9973



63.7754, 69.0184, 167.4827



92.7783, 69.0184, 80.5481

Rectangle

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



67.4589, 69.0184, 25.0956



49.7912, 69.0184, 36.3867



63.7754, 69.0184, 167.4827



84.4439, 69.0184, 134.7069

Sweetspot

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



67.4605, 69.0217, 25.0970



84.7316, 89.2999, 74.8269



53.1445, 35.2929, 36.0372



17.9004, 18.8599, 15.2672



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.



67.4605, 69.0217, 25.0970



64.0696, 64.3495, 17.4622



70.9286, 89.3120, 28.8306



19.0620, 20.0922, 19.0178



29.8561, 27.7234, 3.7776



3.0039, 2.8932, 0.4001

Inverse Universe

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



36.6200, 34.4403, 99.3249



30.6243, 26.9212, 98.1900



34.3618, 24.2308, 97.4733



17.4588, 18.2891, 22.8599



10.9872, 6.8839, 50.1842



1.1617, 0.8541, 4.9169

Previews

White Background



This preview shows how the XYZ color 67.4589, 69.0184, 25.0956 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 67.4589, 69.0184, 25.0956 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 67.4589, 69.0184, 25.0956

Background



This preview shows how black text looks on a background with the XYZ color 67.4589, 69.0184, 25.0956.



This preview shows how white text looks on a background with the XYZ color 67.4589, 69.0184,

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

67.4589, 69.0184, 25.0956

Protanopia

63.4467, 69.1913, 25.9309

Deuteranopia

69.3069, 68.9675, 37.2630



Tritanopia

74.8617, 68.8782, 73.6392

Trichromacy



Original Color

67.4589, 69.0184, 25.0956

Protanomaly

64.9373, 69.2056, 25.5582

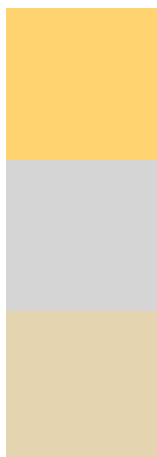
Deuteranomaly

68.5897, 69.0744, 32.2719

Tritanomaly

71.3472, 68.6170, 51.6035

Monochromacy



Original Color

67.4589, 69.0184, 25.0956

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.3749, 66.7155, 50.6115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4589, 69.0184, 25.0956 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, 211, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 112)  
}
```

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, 211, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 112) }
```

Border

The CSS property to change the border of an element to XYZ 67.4589, 69.0184, 25.0956 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, 211, 112) }
```


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

```
.border{ border-color:rgb(255, 211, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 211, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4589, 69.0184, 25.0956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 112) }
```

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

```
.background{ background-color: rgb(255,  
211, 112) }
```

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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