

Converting Colors

XYZ(67.4750, 69.2256, 24.5615)

Have a look what the booklet for
XYZ(67.4750, 69.2256, 24.5615)
contains.

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Color

**XYZ(67.5980, 69.4728,
24.5986)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD46E
RGB	255, 212, 110
RGB Percent	100%, 83%, 43%
CMY	0.0000, 0.1686, 0.5686
CMYK	0.00, 0.17, 0.57, 0.00
HSL	42°, 100%, 72%
HSV	42°, 57%, 100%
XYZ	67.5980, 69.4728, 24.5986
YIQ	213.2290, 58.3700, -22.6060

Conversions

Conversions Part 2

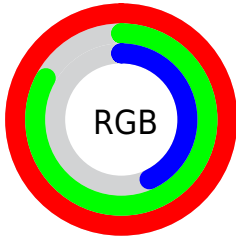
Format	Color
RYB	171, 255, 110
Decimal	16766062
CIELab	86.74, 3.47, 55.32
CIELCh	87, 55.434, 86.407
Yxy	69.4728, 0.4181, 0.4297
Android (android.graphics.Color)	4294956142 (0xFFFFD46E)
YUV	213.2290, -50.8919, 36.6332
Hunter-Lab	83.3503, -1.0977, 40.8474

Details

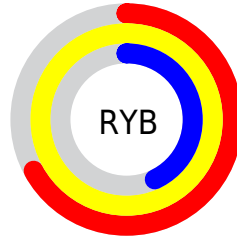
The XYZ color **67.5980, 69.4728, 24.5986** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.8712, 33.3162, 99.1474**, and the grayscale version is **63.7035, 67.0210, 72.9859**.

A 20% lighter version of the original color is **83.7008, 95.4603, 49.1361**, and **35.4711, 36.3512, 9.0179** is the 20% darker color. If you saturate the color by 10%, you get **64.5588, 65.3059, 17.6938**, and if you desaturate by 10%, it is **71.1284, 73.9832, 33.6390**.

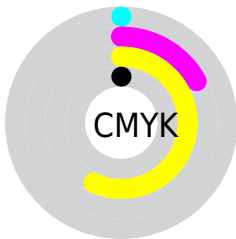
Distribution



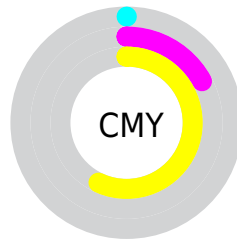
- Red (100%)
- Green (83%)
- Blue (43%)



- Red (67%)
- Yellow (100%)
- Blue (43%)



- Cyan (0%)
- Magenta (17%)
- Yellow (57%)
- Black (0%)





- Cyan (0%)
- Magenta (17%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.5980, 69.4728, 24.5986 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 67.5980, 69.4728, 24.5986 by changing the saturation by 10% instead.


 67.5980, 69.4728,
24.5986

 67.5980, 69.4728,
24.5986


441.4695,
458.6967, 289.2164


 49.8432, 51.0969,
15.5620


 114.8219,
118.4566, 51.9613


 35.5061, 36.2857,
9.0637


 145.0218,
149.8333, 71.1244

 24.2214, 24.6549,
4.6854


 180.1008,
186.3123, 94.5002

 15.6235, 15.8201,
2.0084

 220.4242,
228.2781, 122.5070

 9.3473, 9.3970,
0.5604

266.3575,
276.1151, 155.5635

 5.0273, 5.0010,
0.0000

318.2658,

 2.2982, 2.2479,

330.2075, 194.0882

0.0000

376.5147,
390.9400, 238.4997

■ 0.7938, 0.7459,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.5980, 69.4728,
24.5986

■ 67.5980, 69.4728,
24.5986

■ 64.5588, 65.3059,
17.6938

■ 71.1284, 73.9832,
33.6390

■ 61.9695, 61.4560,
12.7341

■ 75.1774, 78.8418,
44.9752

■ 59.7888, 57.9073,
9.5021

■ 79.7759, 84.0656,
58.7567

■ 57.9631, 54.6363,
7.7207

■ 84.9506, 89.6671,
75.1192

■ 57.4382, 53.6567,
7.3295

■ 90.7265, 95.6579,
94.1883

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.



80.7241, 69.4728, 30.5681



67.5980, 69.4728, 24.5986



55.6059, 69.4728, 28.1995

Triad

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



67.5980, 69.4728, 24.5986



46.2189, 69.4728, 111.8290



88.9165, 69.4728, 122.1337

Complementary

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



67.5980, 69.4728, 24.5986



35.8712, 33.3162, 99.1474

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.



77.6858, 69.4728, 158.7463



67.5980, 69.4728, 24.5986



53.2400, 69.4728, 151.5625

Square

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



67.5980, 69.4728, 24.5986



44.2463, 69.4728, 71.2803



64.4900, 69.4728, 170.9647



94.0012, 69.4728, 80.1824

Rectangle

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



67.5980, 69.4728, 24.5986



49.6512, 69.4728, 36.4819



64.4900, 69.4728, 170.9647



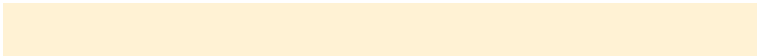
85.6690, 69.4728, 135.9399

Sweetspot

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



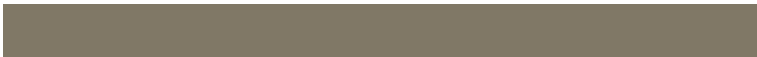
67.5996, 69.4761, 24.6000



84.8753, 89.5872, 74.8748



52.6074, 34.7289, 34.2854



17.9345, 18.9281, 15.2786



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.



67.5996, 69.4761, 24.6000



64.2423, 64.8520, 17.0348



69.9386, 88.8144, 28.2094



19.0797, 20.1277, 19.0238



30.1491, 28.3094, 3.8752



3.0307, 2.9468, 0.4091

Inverse Universe

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



35.8712, 33.3162, 99.1474



29.8845, 25.7750, 98.0077



34.2740, 23.8616, 97.4067



17.4419, 18.2555, 22.8543



10.8802, 6.6700, 50.1486



1.1495, 0.8298, 4.9128

Previews

White Background



This preview shows how the XYZ color 67.5980, 69.4728, 24.5986 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 67.5980, 69.4728, 24.5986 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 67.5980, 69.4728, 24.5986

Background



This preview shows how black text looks on a background with the XYZ color 67.5980, 69.4728, 24.5986.



This preview shows how white text looks on a background with the XYZ color 67.5980, 69.4728,

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

67.5980, 69.4728, 24.5986

Protanopia

63.9312, 69.8379, 25.4398

Deuteranopia

69.7114, 69.5231, 38.1789



Tritanopia

75.2275, 69.4036, 74.3971

Trichromacy



Original Color

67.5980, 69.4728, 24.5986

Protanomaly

65.0813, 69.6719, 25.0568

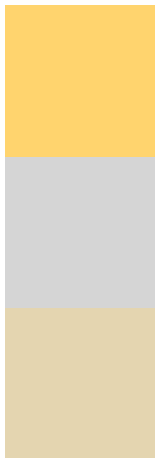
Deuteranomaly

68.9074, 69.5978, 32.7236

Tritanomaly

71.4886, 69.0600, 51.1570

Monochromacy



Original Color

67.5980, 69.4728, 24.5986

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.6256, 67.2171, 50.6951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5980, 69.4728, 24.5986 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, 212, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 110)  
}
```

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, 212, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 110) }
```

Border

The CSS property to change the border of an element to XYZ 67.5980, 69.4728, 24.5986 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, 212, 110) }
```


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

```
.border{ border-color:rgb(255, 212, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5980, 69.4728, 24.5986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 110) }
```

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

```
.background{ background-color: rgb(255,  
212, 110) }
```

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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