

Converting Colors

XYZ(66.5561, 69.8459, 30.7083)

Have a look what the booklet for
XYZ(66.5561, 69.8459, 30.7083)
contains.

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Color

**XYZ(66.6207, 69.9600,
30.7612)**

Conversions

Conversions Part 1

Format	Color
Hex	F7D781
RGB	247, 215, 129
RGB Percent	97%, 84%, 51%
CMY	0.0314, 0.1568, 0.4941
CMYK	0.00, 0.13, 0.48, 0.03
HSL	44°, 88%, 74%
HSV	44°, 48%, 97%
XYZ	66.6207, 69.9600, 30.7612
YIQ	214.7640, 46.6780, -19.9620

Conversions

Conversions Part 2

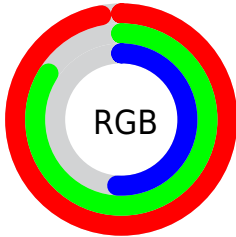
Format	Color
R _Y B	173, 247, 129
Decimal	16242561
CIE Lab	86.98, 0.28, 46.31
CIE LCh	87, 46.314, 89.654
Yxy	69.9600, 0.3981, 0.4181
Android (android.graphics.Color)	4294432641 (0xFFFF7D781)
YUV	214.7640, -42.2817, 28.2710
Hunter-Lab	83.6421, -4.1989, 36.7443

Details

The XYZ color **66.6207, 69.9600, 30.7612** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.5863, 36.8711, 93.0787**, and the grayscale version is **64.6880, 68.0568, 74.1139**.

A 20% lighter version of the original color is **85.5472, 96.1989, 58.8592**, and **34.8966, 36.4963, 12.2264** is the 20% darker color. If you saturate the color by 10%, you get **63.5032, 66.0425, 22.5779**, and if you desaturate by 10%, it is **70.2083, 74.1825, 41.0603**.

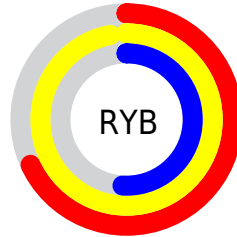
Distribution



Red (97%)

Green (84%)

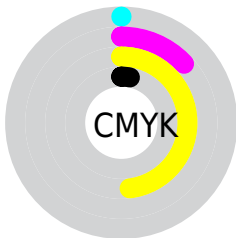
Blue (51%)



Red (68%)

Yellow (97%)

Blue (51%)

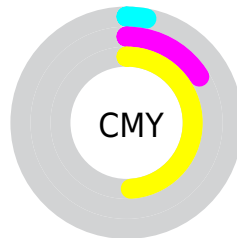


Cyan (0%)

Magenta (13%)

Yellow (48%)

Black (3%)



Cyan (3%)

Magenta (16%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6207, 69.9600, 30.7612 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 66.6207, 69.9600, 30.7612 by changing the saturation by 10% instead.

66.6207, 69.9600,
30.7612

66.6207, 69.9600,
30.7612

438.0472,
460.4095, 319.7537

49.0460, 51.4939,
20.1601

113.4295,
119.1517, 61.9391

34.8707, 36.6018,
12.3263

143.3944,
150.6461, 83.3530

23.7293, 24.8994,
6.8411

178.2200,
187.2521, 109.2082

15.2566, 16.0021,
3.2860

218.2718,
229.3541, 139.9234

9.0872, 9.5256,
1.2424

263.9150,
277.3364, 175.9169

4.8556, 5.0856,
0.0139

315.5151,

2.1967, 2.2976,

331.5835, 217.6075

0.0000

373.4374,
392.4798, 265.4136

■ 0.7410, 0.7724,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.6207, 69.9600,
30.7612

■ 66.6207, 69.9600,
30.7612

■ 63.5032, 66.0425,
22.5779

■ 70.2083, 74.1825,
41.0603

■ 60.8207, 62.4067,
16.3527


■ 74.2878, 78.7121,
53.6092


■ 58.5411, 59.0412,
11.9128


■ 78.8857, 83.5634,
68.5355


■ 56.6245, 55.9285,
9.0528

■ 84.0250, 88.7467,
85.9563

 55.0179, 53.0462,
7.4972

 89.7270, 94.2719,
105.9806

 54.6848, 52.4283,
7.2375

 92.1677, 98.5141,
108.7651

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5751, 69.9600, 35.4420



66.6207, 69.9600, 30.7612



56.7191, 69.9600, 35.2262

Triad

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



66.6207, 69.9600, 30.7612



49.9968, 69.9600, 109.6384



86.1239, 69.9600, 110.4354

Complementary

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



66.6207, 69.9600, 30.7612



38.5863, 36.8711, 93.0787

Split Complementary

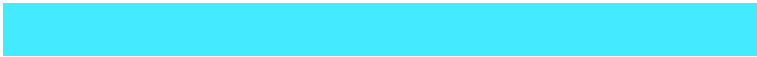
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3340, 69.9600, 140.6104



66.6207, 69.9600, 30.7612



56.5234, 69.9600, 140.0692

Square

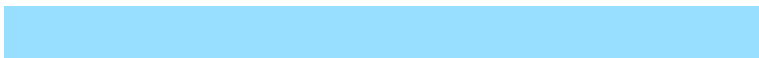
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.6207, 69.9600, 30.7612



47.7767, 69.9600, 75.8150



66.3692, 69.9600, 152.6872



89.5566, 69.9600, 76.5352

Rectangle

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



66.6207, 69.9600, 30.7612



51.8591, 69.9600, 43.7322



66.3692, 69.9600, 152.6872



83.6538, 69.9600, 121.6521

Sweetspot

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



66.6224, 69.9633, 30.7626



86.8151, 91.8891, 80.3858



52.7687, 38.0994, 38.9582



18.3328, 19.4142, 16.3691



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.



66.6224, 69.9633, 30.7626



68.4864, 71.2802, 24.8010



67.1744, 83.5468, 33.3554



17.5125, 18.5091, 17.4472



29.0450, 27.9756, 3.8690



2.6377, 2.6286, 0.3684

Inverse Universe

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



38.5863, 36.8711, 93.0787



35.1939, 32.0264, 98.9345



38.0740, 29.3425, 91.6526



15.9467, 16.6577, 20.9173



10.0398, 5.8734, 47.1425



0.9642, 0.6798, 4.1706

Previews

White Background



This preview shows how the XYZ color 66.6207, 69.9600, 30.7612 looks on a white background.

Color Contrast Check

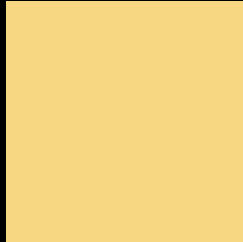
Large Text (above 18pt) WCAG AA × Fail

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 66.6207, 69.9600, 30.7612 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 66.6207, 69.9600, 30.7612

Background



This preview shows how black text looks on a background with the XYZ color 66.6207, 69.9600, 30.7612.



This preview shows how white text looks on a background with the XYZ color 66.6207, 69.9600,

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

66.6207, 69.9600, 30.7612

Protanopia

64.3606, 69.9317, 31.2251

Deuteranopia

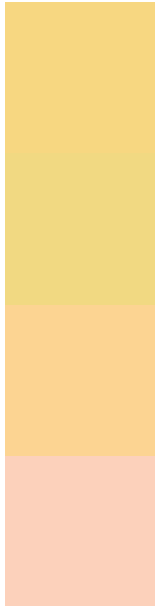
70.2030, 69.7197, 40.7675



Tritanopia

75.9896, 70.0900, 77.2338

Trichromacy



Original Color

66.6207, 69.9600, 30.7612

Protanomaly

65.1177, 69.9382, 31.1864

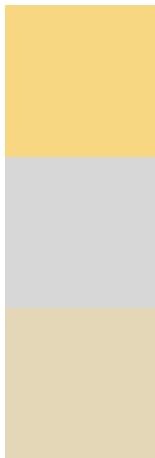
Deuteranomaly

68.8767, 69.8577, 37.0478

Tritanomaly

71.9150, 69.8842, 56.7124

Monochromacy



Original Color

66.6207, 69.9600, 30.7612

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.6307, 68.3925, 55.1421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6207, 69.9600, 30.7612 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(247, 215, 129)` looks like.

```
.text, #text, p{  
    color:rgb(247, 215, 129)  
}
```

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(247, 215, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 215, 129) }
```

Border

The CSS property to change the border of an element to XYZ 66.6207, 69.9600, 30.7612 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(247, 215, 129) }
```


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

```
.border{ border-color:rgb(247, 215, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 215, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 215, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 215, 129);  
box-shadow:4px 4px 4px 4px rgb(247, 215,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6207, 69.9600, 30.7612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 215, 129) }
```

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

```
.background{ background-color: rgb(247,  
215, 129) }
```

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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