

Converting Colors

XYZ(66.6986, 66.6389, 27.4902)

Have a look what the booklet for
XYZ(66.6986, 66.6389, 27.4902)
contains.

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Color

**XYZ(66.7625, 66.7831,
27.4608)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCE79
RGB	255, 206, 121
RGB Percent	100%, 81%, 47%
CMY	0.0000, 0.1921, 0.5255
CMYK	0.00, 0.19, 0.53, 0.00
HSL	38°, 100%, 74%
HSV	38°, 53%, 100%
XYZ	66.7625, 66.7831, 27.4608
YIQ	210.9610, 56.4890, -16.0470

Conversions

Conversions Part 2

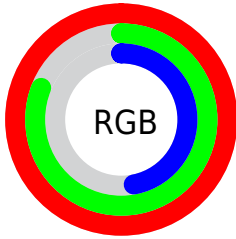
Format	Color
R_{YB}	198, 255, 121
Decimal	16764537
CIE _{Lab}	85.39, 7.42, 48.46
CIE _{LCh}	85, 49.021, 81.297
Yxy	66.7831, 0.4147, 0.4148
Android (android.graphics.Color)	4294954617 (0xFFFFCE79)
YUV	210.9610, -44.3508, 38.6222
Hunter-Lab	81.7209, 2.8152, 37.2813

Details

The XYZ color **66.7625, 66.7831, 27.4608** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.3093, 40.0328, 100.2100**, and the grayscale version is **62.1502, 65.3868, 71.2063**.

A 20% lighter version of the original color is **84.7379, 95.8751, 54.5970**, and **35.0987, 34.6344, 10.6296** is the 20% darker color. If you saturate the color by 10%, you get **63.2227, 61.8841, 19.5592**, and if you desaturate by 10%, it is **70.8519, 72.1201, 37.5857**.

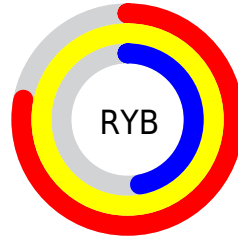
Distribution



Red (100%)

Green (81%)

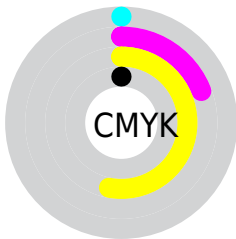
Blue (47%)



Red (78%)

Yellow (100%)

Blue (47%)

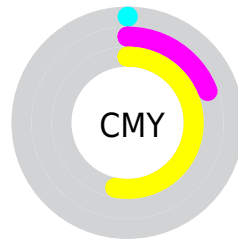


Cyan (0%)

Magenta (19%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.7625, 66.7831, 27.4608 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 66.7625, 66.7831, 27.4608 by changing the saturation by 10% instead.

66.7625, 66.7831,
27.4608

66.7625, 66.7831,
27.4608

438.5447,
449.1723, 303.7118

49.1616, 48.9084,
17.6841

113.6317,
114.6096, 56.6351

34.9628, 34.5468,
10.5563

143.6308,
145.3301, 76.8698

23.8006, 23.3140,
5.6590

178.4932,
181.1013, 101.4276

15.3097, 14.8255,
2.5734

218.5845,
222.3077, 130.7270

9.1248, 8.6970,
0.8787

264.2700,
269.3336, 165.1866

4.8804, 4.5441,
0.0000

315.9149,

2.2113, 1.9823,

322.5634, 205.2249

0.0000

373.8847,
382.3815, 251.2605

■ 0.7487, 0.5972,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.7625, 66.7831,
27.4608

■ 66.7625, 66.7831,
27.4608

■ 63.2227, 61.8841,
19.5592

■ 70.8519, 72.1201,
37.5857

■ 60.1922, 57.3957,
13.7008

■ 75.5181, 77.9019,
50.0872

■ 57.6316, 53.3008,
9.6833

■ 80.7918, 84.1468,
65.1093

■ 55.4920, 49.5762,
7.2606

■ 86.7000, 90.8690,
82.7835

■ 54.1188, 47.0179,
6.2230

■ 93.2678, 98.0818,
103.2319

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.



77.7895, 66.7831, 34.6626



66.7625, 66.7831, 27.4608



56.0295, 66.7831, 29.3155

Triad

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



66.7625, 66.7831, 27.4608



45.5821, 66.7831, 97.2720



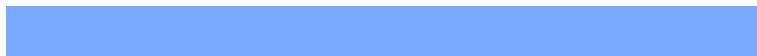
81.6454, 66.7831, 118.0632

Complementary

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



66.7625, 66.7831, 27.4608



40.3093, 40.0328, 100.2100

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.



71.5532, 66.7831, 145.8959



66.7625, 66.7831, 27.4608



51.0346, 66.7831, 131.6611

Square

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



66.7625, 66.7831, 27.4608



44.6166, 66.7831, 63.8464



60.2979, 66.7831, 151.4904



87.0158, 66.7831, 82.3700

Rectangle

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



66.7625, 66.7831, 27.4608



50.3970, 66.7831, 35.7599



60.2979, 66.7831, 151.4904



78.6406, 66.7831, 129.0351

Sweetspot

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



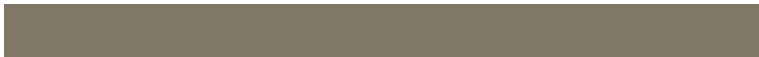
66.7641, 66.7863, 27.4621



84.5875, 88.4940, 76.3751



55.3460, 37.8426, 42.4844



17.8434, 18.6441, 15.5627



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.



66.7641, 66.7863, 27.4621



63.0752, 61.6727, 19.2518



74.1808, 90.9277, 31.7310



18.9701, 19.9084, 18.9872



28.4256, 24.8624, 3.3007



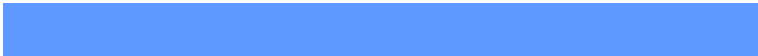
2.8719, 2.6291, 0.3561

Inverse Universe

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



40.3093, 40.0328, 100.2100



34.1077, 32.4295, 99.0696



35.5131, 26.3730, 97.8261



17.5468, 18.4652, 22.8893



11.6170, 8.1437, 50.3942



1.2309, 0.9924, 4.9400

Previews

White Background



This preview shows how the XYZ color 66.7625, 66.7831, 27.4608 looks on a white background.

Color Contrast Check

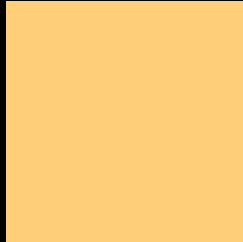
Large Text (above 18pt) WCAG AA × Fail

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 66.7625, 66.7831, 27.4608 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 66.7625, 66.7831, 27.4608

Background



This preview shows how black text looks on a background with the XYZ color 66.7625, 66.7831, 27.4608.



This preview shows how white text looks on a background with the XYZ color 66.7625, 66.7831,

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

66.7625, 66.7831, 27.4608

Protanopia

61.6163, 67.0408, 28.7614

Deuteranopia

67.6588, 66.7576, 33.3643



Tritanopia

73.4213, 66.8100, 70.6539

Trichromacy



Original Color

66.7625, 66.7831, 27.4608

Protanomaly

63.4874, 66.8958, 28.3049

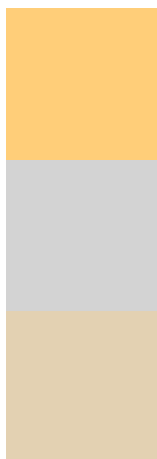
Deuteranomaly

67.2362, 66.5886, 31.1389

Tritanomaly

70.3964, 66.7154, 51.2866

Monochromacy



Original Color

66.7625, 66.7831, 27.4608

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

62.5149, 65.1462, 51.3991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7625, 66.7831, 27.4608 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, 206, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 121)  
}
```

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, 206, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 121) }
```

Border

The CSS property to change the border of an element to XYZ 66.7625, 66.7831, 27.4608 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, 206, 121) }
```


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

```
.border{ border-color:rgb(255, 206, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7625, 66.7831, 27.4608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 121) }
```

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

```
.background{ background-color: rgb(255,  
206, 121) }
```

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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