

Converting Colors

XYZ(67.7761, 71.3240, 30.6168)

Have a look what the booklet for XYZ(67.7761, 71.3240, 30.6168) contains.

- XYZ(67.7761, 71.3240, 30.6168) 3**
- Conversions* 4**
- Details* 6**
- Harmonies* 12**
- Previews* 24**
- Color Blindness Simulation* 28**
- CSS Examples* 31**

Color

**XYZ(67.7761, 71.3240,
30.6168)**

Conversions

Conversions Part 1

Format	Color
Hex	F9D980
RGB	249, 217, 128
RGB Percent	98%, 85%, 50%
CMY	0.0235, 0.1490, 0.4980
CMYK	0.00, 0.13, 0.49, 0.02
HSL	44°, 91%, 74%
HSV	44°, 49%, 98%
XYZ	67.7761, 71.3240, 30.6168
YIQ	216.4220, 47.6410, -20.8950

Conversions

Conversions Part 2

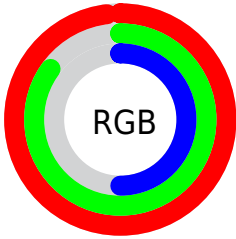
Format	Color
R_{YB}	172, 249, 128
Decimal	16374144
CIE _{Lab}	87.64, -0.03, 47.67
CIE _{LCh}	88, 47.666, 90.040
Yxy	71.3240, 0.3993, 0.4203
Android (android.graphics.Color)	4294564224 (0xFFFF9D980)
YUV	216.4220, -43.5920, 28.5709
Hunter-Lab	84.4535, -4.5429, 37.6232

Details

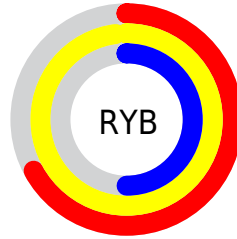
The XYZ color **67.7761, 71.3240, 30.6168** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.5714, 36.5691, 94.6479**, and the grayscale version is **65.8252, 69.2532, 75.4168**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **35.4600, 37.3096, 12.1700** is the 20% darker color. If you saturate the color by 10%, you get **64.6713, 67.4232, 22.4644**, and if you desaturate by 10%, it is **71.3543, 75.5278, 40.9124**.

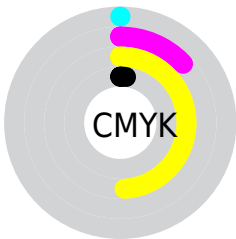
Distribution



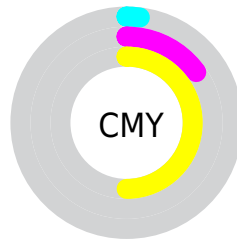
- Red (98%)
- Green (85%)
- Blue (50%)



- Red (67%)
- Yellow (98%)
- Blue (50%)



- Cyan (0%)
- Magenta (13%)
- Yellow (49%)
- Black (2%)



- Cyan (2%)
- Magenta (15%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7761, 71.3240, 30.6168 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 67.7761, 71.3240, 30.6168 by changing the saturation by 10% instead.

67.7761, 71.3240,
30.6168

67.7761, 71.3240,
30.6168

442.0915,
465.1853, 319.0654

49.9886, 52.6066,
20.0512

115.0755,
121.0949, 61.7087

35.6221, 37.4888,
12.2478

145.3180,
152.9173, 83.0722

24.3112, 25.5862,
6.7881

180.4430,
189.8769, 108.8720

15.6906, 16.5143,
3.2535

220.8158,
232.3579, 139.5267

9.3950, 9.8888,
1.2255

266.8016,
280.7449, 175.4548

5.0589, 5.3253,
0.0000

318.7660,

2.3169, 2.4394,

335.4222, 217.0750

0.0000

377.0741,
396.7742, 264.8056

■ 0.8033, 0.8460,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.7761, 71.3240,
30.6168

■ 67.7761, 71.3240,
30.6168

■ 64.6713, 67.4232,
22.4644

■ 71.3543, 75.5278,
40.9124

■ 62.0038, 63.8018,
16.2929

■ 75.4282, 80.0368,
53.4888

■ 59.7406, 60.4479,
11.9237

■ 80.0251, 84.8657,
68.4772

■ 57.8404, 57.3438,
9.1440

■ 85.1683, 90.0252,
85.9975

■ 56.2446, 54.4646,
7.6489

■ 90.8799, 95.5250,
106.1618

■ 56.0336, 54.0731,
7.4839

■ 92.8768, 98.8797,
108.7983

Harmonies

Analogous

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



79.2156, 71.3240, 35.3022



67.7761, 71.3240, 30.6168



57.4982, 71.3240, 35.3280

Triad

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



67.7761, 71.3240, 30.6168



50.6881, 71.3240, 113.1098



88.3828, 71.3240, 113.0128

Complementary

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



67.7761, 71.3240, 30.6168



38.5714, 36.5691, 94.6479

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.



79.2449, 71.3240, 144.8371



67.7761, 71.3240, 30.6168



57.5219, 71.3240, 144.9032

Square

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



67.7761, 71.3240, 30.6168



48.3246, 71.3240, 77.7033



67.8065, 71.3240, 157.8571



91.8886, 71.3240, 77.6161

Rectangle

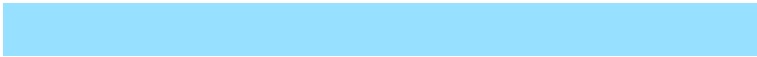
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.7761, 71.3240, 30.6168



52.4818, 71.3240, 44.1937



67.8065, 71.3240, 157.8571



85.8214, 71.3240, 124.8014

Sweetspot

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



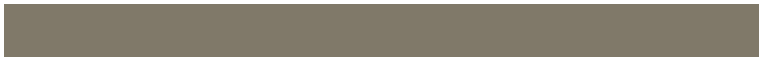
67.7778, 71.3274, 30.6182



86.3499, 91.4927, 78.5840



53.1550, 38.1262, 37.9385



18.2437, 19.3411, 16.0153



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.



67.7778, 71.3274, 30.6182



68.4277, 71.3807, 24.1089



67.5200, 84.6454, 33.2025



18.3163, 19.3686, 18.2355



30.1164, 29.1894, 4.0468



2.8759, 2.8766, 0.4037

Inverse Universe

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



38.5714, 36.5691, 94.6479



34.4362, 30.9735, 98.7712



38.5742, 29.3700, 93.2582



16.6562, 17.3893, 21.8639



10.2889, 5.9333, 48.5765



1.0357, 0.7151, 4.5266

Previews

White Background



This preview shows how the XYZ color 67.7761, 71.3240, 30.6168 looks on a white background.

Color Contrast Check

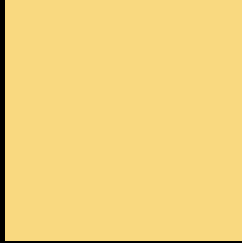
Large Text (above 18pt) WCAG AA × Fail

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 67.7761, 71.3240, 30.6168 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 67.7761, 71.3240, 30.6168

Background



This preview shows how black text looks on a background with the XYZ color 67.7761, 71.3240, 30.6168.



This preview shows how white text looks on a background with the XYZ color 67.7761, 71.3240,

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

67.7761, 71.3240, 30.6168

Protanopia

65.8313, 71.4722, 31.0947

Deuteranopia

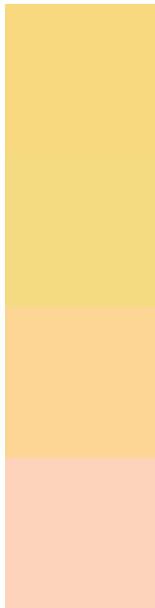
71.4673, 71.4217, 43.7373



Tritanopia

76.7376, 71.1596, 78.7979

Trichromacy



Original Color

67.7761, 71.3240, 30.6168

Protanomaly

66.6022, 71.4811, 31.0558

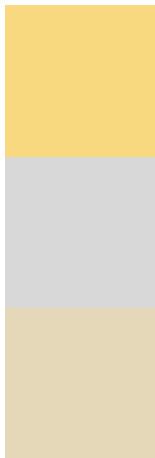
Deuteranomaly

69.9794, 71.1457, 38.4780

Tritanomaly

72.8794, 71.1020, 57.4599

Monochromacy



Original Color

67.7761, 71.3240, 30.6168

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.2025, 69.0664, 55.2420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7761, 71.3240, 30.6168 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(249, 217, 128)` looks like.

```
.text, #text, p{  
    color:rgb(249, 217, 128)  
}
```

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(249, 217, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 217, 128) }
```

Border

The CSS property to change the border of an element to XYZ 67.7761, 71.3240, 30.6168 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(249, 217, 128) }
```


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

```
.border{ border-color:rgb(249, 217, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 217, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 217, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 217, 128);  
box-shadow:4px 4px 4px 4px rgb(249, 217,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7761, 71.3240, 30.6168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 217, 128) }
```

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

```
.background{ background-color: rgb(249,  
217, 128) }
```

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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