

Converting Colors

XYZ(67.6330, 77.0326, 16.2207)

Have a look what the booklet for
XYZ(67.6330, 77.0326, 16.2207)
contains.

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Color

**XYZ(67.8591, 77.2962,
16.1936)**

Conversions

Conversions Part 1

Format	Color
Hex	F7E740
RGB	247, 231, 64
RGB Percent	97%, 91%, 25%
CMY	0.0314, 0.0941, 0.7490
CMYK	0.00, 0.06, 0.74, 0.03
HSL	55°, 92%, 61%
HSV	55°, 74%, 97%
XYZ	67.8591, 77.2962, 16.1936
YIQ	216.7460, 63.1430, -48.5450

Conversions

Conversions Part 2

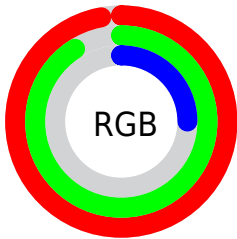
Format	Color
RYB	82, 247, 64
Decimal	16246592
CIELab	90.46, -11.99, 77.58
CIElCh	90, 78.505, 98.783
Yxy	77.2962, 0.4206, 0.4791
Android (android.graphics.Color)	4294436672 (0xFF7E740)
YUV	216.7460, -75.3038, 26.5328
Hunter-Lab	87.9183, -16.0830, 50.6222

Details

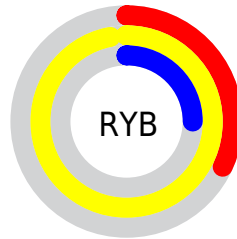
The XYZ color **67.8591, 77.2962, 16.1936** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **21.7717, 13.5427, 89.4615**, and the grayscale version is **66.2506, 69.7007, 75.9041**.

A 20% lighter version of the original color is **80.5752, 94.2101, 32.6765**, and **36.0189, 41.6155, 6.1342** is the 20% darker color. If you saturate the color by 10%, you get **66.7061, 75.8771, 13.0762**, and if you desaturate by 10%, it is **69.3341, 78.8619, 20.9542**.

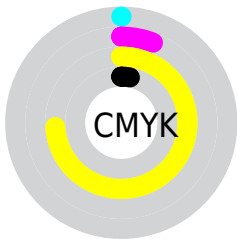
Distribution



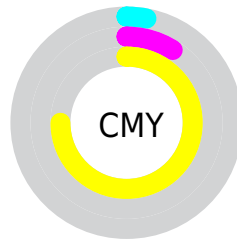
- Red (97%)
- Green (91%)
- Blue (25%)



- Red (32%)
- Yellow (97%)
- Blue (25%)



- Cyan (0%)
- Magenta (6%)
- Yellow (74%)
- Black (3%)



- Cyan (3%)
- Magenta (9%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8591, 77.2962, 16.1936 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 67.8591, 77.2962, 16.1936 by changing the saturation by 10% instead.

67.8591, 77.2962,
16.1936

67.8591, 77.2962,
16.1936

442.3812,
485.7733, 242.3660

50.0564, 57.4960,
9.5054

115.1936,
129.5575, 37.7054

35.6762, 41.4036,
4.9710

145.4560,
162.7874, 53.3662

24.3532, 28.6346,
2.1718

180.6024,
201.2627, 72.8548

15.7219, 18.8046,
0.6580

220.9981,
245.3677, 96.5900

9.4172, 11.5291,
0.0000

267.0085,
295.4869, 124.9901

5.0736, 6.4239,
0.0000

318.9989,

2.3257, 3.1045,

352.0047, 158.4738

0.0000

377.3347,
415.3053, 197.4596

■ 0.8078, 1.1865,
0.0000

■ 0.0000, 0.0507,
0.0000

■ 67.8591, 77.2962,
16.1936

■ 67.8591, 77.2962,
16.1936

■ 66.7061, 75.8771,
13.0762

■ 69.3341, 78.8619,
20.9542


■ 65.8252, 74.5759,
11.3626

■ 71.1622, 80.5778,
27.5454


■ 65.3945, 73.8480,
10.8074

■ 73.3767, 82.4603,
36.1341


■ 76.0055, 84.5205,
46.8675

 79.0740, 86.7687,
59.8786

 82.6053, 89.2142,
75.2899

 86.6212, 91.8657,
93.2151

 90.0597, 94.2984,
108.0625

 90.7282, 95.6354,
108.2853

Harmonies

Analogous

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



87.9762, 77.2962, 18.2961



67.8591, 77.2962, 16.1936



52.2895, 77.2962, 24.9288

Triad

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



67.8591, 77.2962, 16.1936



47.8199, 77.2962, 171.5450



114.5232, 77.2962, 129.6054

Complementary

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



67.8591, 77.2962, 16.1936



21.7717, 13.5427, 89.4615

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.



99.7080, 77.2962, 199.5290



67.8591, 77.2962, 16.1936



60.6490, 77.2962, 230.3066

Square

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



67.8591, 77.2962, 16.1936



42.1483, 77.2962, 101.7525



79.3772, 77.2962, 242.3538



117.3884, 77.2962, 68.7262

Rectangle

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



67.8591, 77.2962, 16.1936



45.7082, 77.2962, 39.6833



79.3772, 77.2962, 242.3538



110.6637, 77.2962, 153.4550

Sweetspot

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



67.8609, 77.2999, 16.1952



85.7530, 93.8105, 67.5596



41.7259, 24.0554, 10.4877



18.1466, 19.9319, 13.5630



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.



67.8609, 77.2999, 16.1952



71.2061, 80.8559, 12.9555



51.5976, 75.8672, 16.7758



17.7836, 19.0513, 17.5375



34.6387, 39.1630, 5.7336



3.0801, 3.5134, 0.5158

Inverse Universe

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



21.7717, 13.5427, 89.4615



19.5825, 9.5720, 95.4232



28.9721, 15.7184, 89.5020



15.6976, 16.1594, 20.8343



9.0682, 3.9301, 46.8187



0.8360, 0.4234, 4.1279

Previews

White Background



This preview shows how the XYZ color 67.8591, 77.2962, 16.1936 looks on a white background.

Color Contrast Check

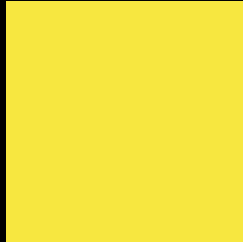
Large Text (above 18pt) WCAG AA × Fail

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 67.8591, 77.2962, 16.1936 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 67.8591, 77.2962, 16.1936

Background



This preview shows how black text looks on a background with the XYZ color 67.8591, 77.2962, 16.1936.



This preview shows how white text looks on a background with the XYZ color 67.8591, 77.2962,

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

67.8591, 77.2962, 16.1936

Protanopia

70.0889, 77.1890, 16.9992

Deuteranopia

75.7644, 77.2900, 53.5731



Tritanopia

80.8769, 77.2290, 86.9879

Trichromacy

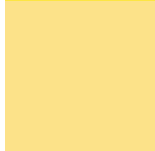


Original Color

67.8591, 77.2962, 16.1936

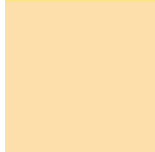
Protanomaly

69.2076, 77.1514, 16.7129



Deuteranomaly

71.8566, 76.8943, 34.7217



Tritanomaly

73.8832, 76.4111, 49.3828

Monochromacy



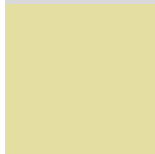
Original Color

67.8591, 77.2962, 16.1936



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

64.5492, 71.3097, 44.0803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8591, 77.2962, 16.1936 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, 231, 64)` looks like.

```
.text, #text, p{  
    color:rgb(247, 231, 64)  
}
```

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, 231, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 231, 64) }
```

Border

The CSS property to change the border of an element to XYZ 67.8591, 77.2962, 16.1936 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, 231, 64) }
```


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

```
.border{ border-color:rgb(247, 231, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 231, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 231, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 231, 64);  
box-shadow:4px 4px 4px 4px rgb(247, 231,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8591, 77.2962, 16.1936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 231, 64) }
```

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

```
.background{ background-color: rgb(247,  
231, 64) }
```

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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