

Converting Colors

XYZ(67.0470, 76.7828, 27.2380)

Have a look what the booklet for
XYZ(67.0470, 76.7828, 27.2380)
contains.

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Color

**XYZ(66.8731, 76.5439,
27.1694)**

Conversions

Conversions Part 1

Format	Color
Hex	EEE772
RGB	238, 231, 114
RGB Percent	93%, 91%, 45%
CMY	0.0667, 0.0941, 0.5529
CMYK	0.00, 0.03, 0.52, 0.07
HSL	57°, 78%, 69%
HSV	57°, 52%, 93%
XYZ	66.8731, 76.5439, 27.1694
YIQ	219.7550, 41.7290, -34.9030

Conversions

Conversions Part 2

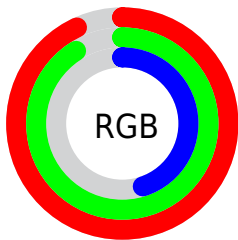
Format	Color
RYB	121, 238, 114
Decimal	15656818
CIELab	90.11, -12.67, 57.04
CIELCh	90, 58.428, 102.523
Yxy	76.5439, 0.3920, 0.4487
Android (android.graphics.Color)	4293846898 (0xFFEEE772)
YUV	219.7550, -52.1372, 16.0009
Hunter-Lab	87.4894, -16.6687, 42.8303

Details

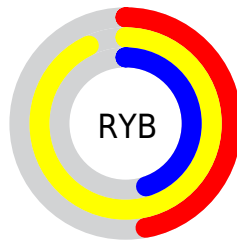
The XYZ color **66.8731, 76.5439, 27.1694** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.2094, 23.4245, 83.8706**, and the grayscale version is **68.1900, 71.7412, 78.1262**.

A 20% lighter version of the original color is **84.1614, 95.6446, 51.5616**, and **35.1900, 41.0909, 10.4915** is the 20% darker color. If you saturate the color by 10%, you get **65.3173, 75.3255, 20.8150**, and if you desaturate by 10%, it is **68.7878, 77.9161, 35.3839**.

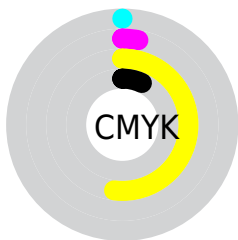
Distribution



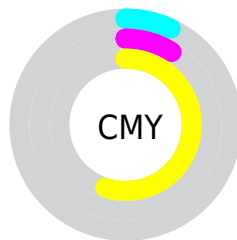
- Red (93%)
- Green (91%)
- Blue (45%)



- Red (47%)
- Yellow (93%)
- Blue (45%)



- Cyan (0%)
- Magenta (3%)
- Yellow (52%)
- Black (7%)



- Cyan (7%)
- Magenta (9%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8731, 76.5439, 27.1694 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 66.8731, 76.5439, 27.1694 by changing the saturation by 10% instead.

66.8731, 76.5439,
27.1694

66.8731, 76.5439,
27.1694

438.9325,
483.2075, 302.2625

49.2518, 56.8786,
17.4669

113.7894,
128.4954, 56.1626

35.0346, 40.9078,
10.4025

143.8151,
161.5505, 76.2904

23.8562, 28.2470,
5.5575

178.7063,
199.8376, 100.7305

15.3511, 18.5120,
2.5136

218.8283,
243.7411, 129.9012

9.1541, 11.3182,
0.8473

264.5467,
293.6455, 164.2213

4.8998, 6.2813,
0.0000

316.2266,

2.2227, 3.0169,

349.9351, 204.1091

0.0000

374.2334,
412.9943, 249.9834

■ 0.7547, 1.1405,
0.0000

■ 0.0000, 0.0123,
0.0000

■ 66.8731, 76.5439,
27.1694

■ 66.8731, 76.5439,
27.1694

■ 65.3173, 75.3255,
20.8150

■ 68.7878, 77.9161,
35.3839

■ 64.0871, 74.2392,
16.1687


■ 71.0811, 79.4414,
45.5851


■ 63.1520, 73.2755,
13.0626


■ 73.7772, 81.1326,
57.8940

■ 62.4734, 72.4190,
11.2929


■ 76.8973, 82.9980,
72.4208


 62.0707, 71.7989,
10.5871

 80.4607, 85.0454,
89.2677

 84.1939, 87.1654,
106.9948

 84.5885, 87.9545,
107.1264

 84.9860, 88.7496,
107.2589

 85.3865, 89.5504,
107.3924

Harmonies

Analogous

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



81.4516, 76.5439, 28.0244



66.8731, 76.5439, 27.1694



55.4883, 76.5439, 37.2580

Triad

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



66.8731, 76.5439, 27.1694



54.0778, 76.5439, 149.8005



102.7191, 76.5439, 109.6981

Complementary

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



66.8731, 76.5439, 27.1694



29.2094, 23.4245, 83.8706

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.



93.2712, 76.5439, 157.1322



66.8731, 76.5439, 27.1694



64.6963, 76.5439, 185.0645

Square

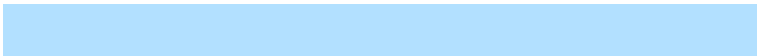
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.8731, 76.5439, 27.1694



48.7877, 76.5439, 101.8837



78.9672, 76.5439, 188.1219



103.5062, 76.5439, 67.2007

Rectangle

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



66.8731, 76.5439, 27.1694



50.7140, 76.5439, 51.6629



78.9672, 76.5439, 188.1219



100.3983, 76.5439, 125.8814

Sweetspot

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



66.8749, 76.5474, 27.1710



88.4335, 96.1859, 77.6571



44.8070, 31.6243, 22.2426



18.7670, 20.4912, 15.8705



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.



66.8749, 76.5474, 27.1710



76.2135, 87.9491, 23.6312



53.4433, 72.5873, 27.1145



17.0421, 18.2973, 16.7832



34.6621, 40.1222, 5.9175



2.9067, 3.3840, 0.5000

Inverse Universe

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



29.2094, 23.4245, 83.8706



27.5933, 19.4006, 96.8981



37.5423, 26.5041, 84.0258



14.9688, 15.3717, 19.8997



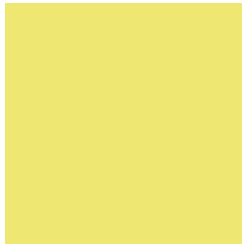
8.7222, 3.6687, 45.3763



0.7506, 0.3552, 3.7832

Previews

White Background



This preview shows how the XYZ color 66.8731, 76.5439, 27.1694 looks on a white background.

Color Contrast Check

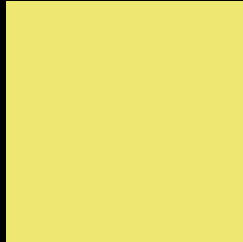
Large Text (above 18pt) WCAG AA × Fail

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 66.8731, 76.5439, 27.1694 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 66.8731, 76.5439, 27.1694

Background



This preview shows how black text looks on a background with the XYZ color 66.8731, 76.5439, 27.1694.



This preview shows how white text looks on a background with the XYZ color 66.8731, 76.5439,

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

66.8731, 76.5439, 27.1694

Protanopia

70.2334, 76.6397, 26.7140

Deuteranopia

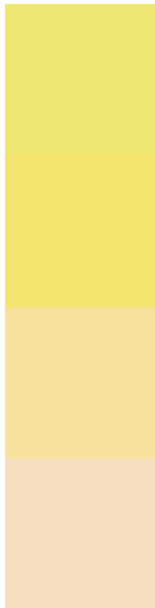
75.3347, 76.2682, 53.9307



Tritanopia

79.4911, 76.4650, 89.1668

Trichromacy



Original Color

66.8731, 76.5439, 27.1694

Protanomaly

68.7301, 76.2719, 26.7223

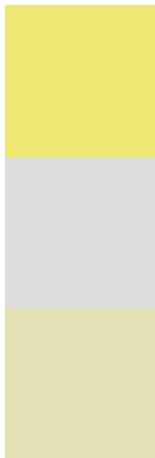
Deuteranomaly

71.9929, 76.3905, 42.4029

Tritanomaly

73.7977, 76.1298, 60.0952

Monochromacy



Original Color

66.8731, 76.5439, 27.1694

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.6747, 72.9784, 54.2882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8731, 76.5439, 27.1694 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(238, 231, 114)` looks like.

```
.text, #text, p{  
    color:rgb(238, 231, 114)  
}
```

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(238, 231, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 231, 114) }
```

Border

The CSS property to change the border of an element to XYZ 66.8731, 76.5439, 27.1694 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(238, 231, 114) }
```


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

```
.border{ border-color:rgb(238, 231, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 231, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 231, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 231, 114);  
box-shadow:4px 4px 4px 4px rgb(238, 231,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8731, 76.5439, 27.1694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 231, 114) }
```

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

```
.background{ background-color: rgb(238,  
231, 114) }
```

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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