

Converting Colors

XYZ(68.0068, 78.4833, 30.5423)

Have a look what the booklet for
XYZ(68.0068, 78.4833, 30.5423)
contains.

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Color

**XYZ(67.9860, 78.3054,
30.6000)**

Conversions

Conversions Part 1

Format	Color
Hex	EDEA7C
RGB	237, 234, 124
RGB Percent	93%, 92%, 49%
CMY	0.0706, 0.0823, 0.5137
CMYK	0.00, 0.01, 0.48, 0.07
HSL	58°, 76%, 71%
HSV	58°, 48%, 93%
XYZ	67.9860, 78.3054, 30.6000
YIQ	222.3570, 37.0980, -33.5740

Conversions

Conversions Part 2

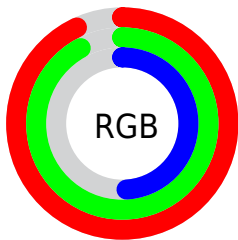
Format	Color
RYB	127, 237, 124
Decimal	15592060
CIELab	90.92, -13.70, 53.34
CIELCh	91, 55.070, 104.402
Yxy	78.3054, 0.3843, 0.4427
Android (android.graphics.Color)	4293782140 (0xFFEDEA7C)
YUV	222.3570, -48.4900, 12.8419
Hunter-Lab	88.4903, -17.7188, 41.4407

Details

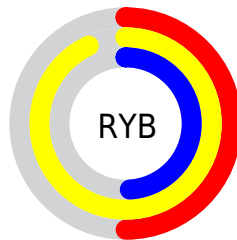
The XYZ color **67.9860, 78.3054, 30.6000** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **31.1876, 25.5776, 83.4139**, and the grayscale version is **69.9993, 73.6447, 80.1990**.

A 20% lighter version of the original color is **85.1367, 96.0347, 56.6972**, and **35.6481, 41.8794, 12.1659** is the 20% darker color. If you saturate the color by 10%, you get **66.4861, 77.4228, 23.5736**, and if you desaturate by 10%, it is **69.8505, 79.3406, 39.5267**.

Distribution



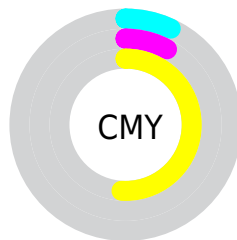
- Red (93%)
- Green (92%)
- Blue (49%)



- Red (50%)
- Yellow (93%)
- Blue (49%)



- Cyan (0%)
- Magenta (1%)
- Yellow (48%)
- Black (7%)



- Cyan (7%)
- Magenta (8%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9860, 78.3054, 30.6000 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 67.9860, 78.3054, 30.6000 by changing the saturation by 10% instead.

67.9860, 78.3054,
30.6000

67.9860, 78.3054,
30.6000

442.8239,
489.2034, 318.9852

50.1600, 58.3249,
20.0385

115.3741,
130.9806, 61.6819

35.7588, 42.0699,
12.2387

145.6670,
164.4440, 83.0395

24.4173, 29.1560,
6.7820

180.8461,
203.1705, 108.8328

15.7698, 19.1989,
3.2497

221.2769,
247.5445, 139.4805

9.4512, 11.8141,
1.2235

267.3247,
297.9504, 175.4010

5.0961, 6.6172,
0.0000

319.3549,

2.3391, 3.2239,

354.7726, 217.0130

0.0000

377.7329,
418.3955, 264.7348

■ 0.8146, 1.2497,
0.0000

■ 0.0000, 0.1017,
0.0000

■ 67.9860, 78.3054,
30.6000

■ 67.9860, 78.3054,
30.6000

■ 66.4861, 77.4228,
23.5736

■ 69.8505, 79.3406,
39.5267

■ 65.3189, 76.6714,
18.3043


■ 72.0976, 80.5270,
50.4731


■ 64.4565, 76.0429,
14.6370


■ 74.7508, 81.8768,
63.5549

■ 63.8639, 75.5234,
12.3871


■ 77.8300, 83.3981,
78.8773


 63.4938, 75.0939,
11.3061


 81.3541, 85.0983,
96.5389

 63.4229, 75.0003,
11.1338

 83.4836, 86.2418,
106.8540

 83.6666, 86.6076,
106.9150

 83.8501, 86.9747,
106.9762

 84.0343, 87.3430,
107.0376

Harmonies

Analogous

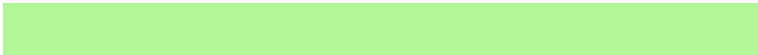
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8340, 78.3054, 30.8089



67.9860, 78.3054, 30.6000



57.2759, 78.3054, 41.4917

Triad

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



67.9860, 78.3054, 30.6000



56.9459, 78.3054, 150.6800



103.1964, 78.3054, 107.5018

Complementary

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



67.9860, 78.3054, 30.6000



31.1876, 25.5776, 83.4139

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.



94.6996, 78.3054, 152.3343



67.9860, 78.3054, 30.6000



67.4809, 78.3054, 182.0671

Square

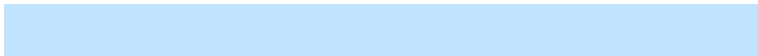
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.9860, 78.3054, 30.6000



51.4601, 78.3054, 105.7141



81.2623, 78.3054, 182.7523



103.3757, 78.3054, 67.6328

Rectangle

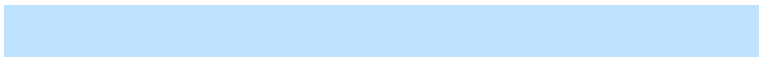
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.9860, 78.3054, 30.6000



52.8648, 78.3054, 56.3250



81.2623, 78.3054, 182.7523



101.1753, 78.3054, 122.7197

Sweetspot

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



67.9879, 78.3090, 30.6016



89.5247, 97.3083, 81.2890



46.0142, 33.9730, 24.4749



18.9993, 20.7471, 16.5912



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.



67.9879, 78.3090, 30.6016



78.5793, 91.4658, 28.1652



53.7539, 72.2471, 30.1818



16.3157, 17.5545, 16.0471



34.6429, 40.9799, 6.0840



2.7311, 3.2396, 0.4814

Inverse Universe

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



31.1876, 25.5776, 83.4139



30.3981, 22.4349, 97.3360



40.5652, 29.8465, 83.7436



14.2632, 14.6128, 18.9911



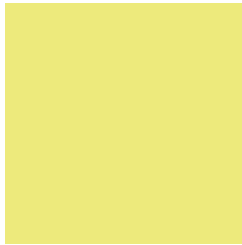
8.3977, 3.4424, 43.9648



0.6707, 0.2929, 3.4561

Previews

White Background



This preview shows how the XYZ color 67.9860, 78.3054, 30.6000 looks on a white background.

Color Contrast Check

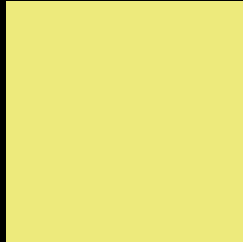
Large Text (above 18pt) WCAG AA × Fail

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 67.9860, 78.3054, 30.6000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

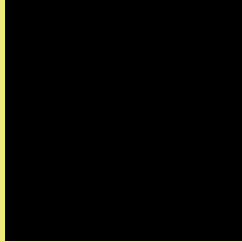
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.9860, 78.3054, 30.6000

Background



This preview shows how black text looks on a background with the XYZ color 67.9860, 78.3054, 30.6000.



This preview shows how white text looks on a background with the XYZ color 67.9860, 78.3054,

30.6000.

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

67.9860, 78.3054, 30.6000

Protanopia

71.6770, 78.1392, 29.7169

Deuteranopia

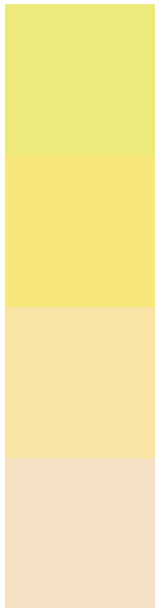
76.9728, 78.2021, 58.6146



Tritanopia

80.3560, 78.0257, 91.7142

Trichromacy



Original Color

67.9860, 78.3054, 30.6000

Protanomaly

70.5088, 78.3560, 30.1469

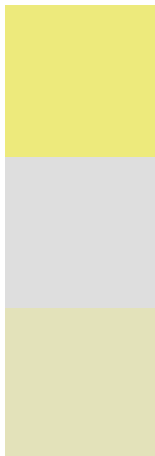
Deuteranomaly

73.2463, 78.1599, 46.8232

Tritanomaly

74.9306, 77.8364, 63.8980

Monochromacy



Original Color

67.9860, 78.3054, 30.6000

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

67.7378, 74.2688, 57.2195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9860, 78.3054, 30.6000 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(237, 234, 124)` looks like.

```
.text, #text, p{  
    color:rgb(237, 234, 124)  
}
```

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(237, 234, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 234, 124) }
```

Border

The CSS property to change the border of an element to XYZ 67.9860, 78.3054, 30.6000 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(237, 234, 124) }
```


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

```
.border{ border-color:rgb(237, 234, 124) }
```

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

Here you see how a box with a 4 pixel rgb(237, 234, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 234, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 234, 124);  
box-shadow:4px 4px 4px 4px rgb(237, 234,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9860, 78.3054, 30.6000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 234, 124) }
```

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

```
.background{ background-color: rgb(237,  
234, 124) }
```

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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