

Converting Colors

XYZ(67.8421, 83.4377, 13.1454)

Have a look what the booklet for
XYZ(67.8421, 83.4377, 13.1454)
contains.

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Color

**XYZ(67.6950, 83.3564,
13.1376)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | EDF513 |
| RGB | 237, 245, 19 |
| RGB Percent | 93%, 96%, 7% |
| CMY | 0.0706, 0.0392, 0.9254 |
| CMYK | 0.03, 0.00, 0.92, 0.04 |
| HSL | 62°, 92%, 52% |
| HSV | 62°, 92%, 96% |
| XYZ | 67.6950, 83.3564, 13.1376 |
| YIQ | 216.8440, 67.7780, -71.9820 |

Conversions

Conversions Part 2

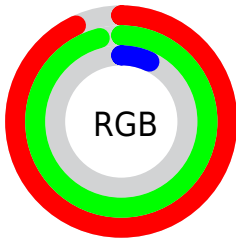
| Format | Color |
|-------------------------------------|---|
| RYB | 19, 245, 27 |
| Decimal | 15594771 |
| CIELab | 93.17, -24.04, 89.40 |
| CIELCh | 93, 92.572, 105.051 |
| Yxy | 83.3564, 0.4123, 0.5077 |
| Android (android.graphics.Color) | 4293784851 (0xFFEDF513) |
| YUV | 216.8440, -97.5371, 17.6768 |
| Hunter-Lab | 91.2997, -27.4241, 55.3783 |

Details

The XYZ color **67.6950, 83.3564, 13.1376** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **17.1686, 7.2930, 86.8943**, and the grayscale version is **66.4650, 69.9263, 76.1498**.

A 20% lighter version of the original color is **79.2046, 93.6618, 25.4593**, and **36.1021, 45.6253, 6.9038** is the 20% darker color. If you saturate the color by 10%, you get **67.3545, 83.1974, 12.5087**, and if you desaturate by 10%, it is **68.3155, 83.6413, 14.8801**.

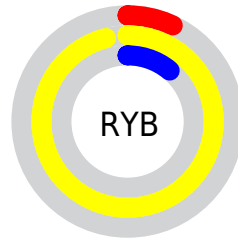
Distribution



Red (93%)

Green (96%)

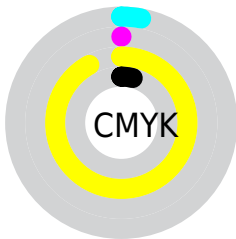
Blue (7%)



Red (7%)

Yellow (96%)

Blue (11%)

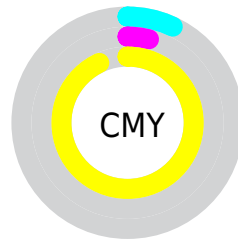


Cyan (3%)

Magenta (0%)

Yellow (92%)

Black (4%)



Cyan (7%)


Magenta (4%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.6950, 83.3564, 13.1376 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 67.6950, 83.3564, 13.1376 by changing the saturation by 10% instead.


 67.6950, 83.3564,
13.1376

 67.6950, 83.3564,
13.1376


441.8083,
506.1735, 223.0364

 49.9224, 62.4842,
7.3915


 114.9600,
138.0745, 32.2456


 35.5693, 45.4241,
3.6260


 145.1832,
172.6892, 46.4446


 24.2703, 31.7916,
1.4225


 180.2872,
212.6536, 64.2982

 15.6601, 21.2024,
0.1592

 220.6375,
258.3519, 86.2252

 9.3733, 13.2720,
0.0000

 266.5994,
310.1687, 112.6439

 5.0445, 7.6161,
0.0000

 318.5383,

 2.3084, 3.8503,

368.4883, 143.9730

0.0000

376.8195,
433.6951, 180.6310

■ 0.7990, 1.5902,
0.0000

■ 0.0000, 0.3510,
0.0000

■ 67.6950, 83.3564,
13.1376

■ 67.6950, 83.3564,
13.1376

■ 67.3545, 83.1974,
12.5087

■ 68.3155, 83.6413,
14.8801

■ 69.2059, 84.0312,
18.0450

■ 70.4100, 84.5467,
22.8544

■ 71.9624, 85.2017,
29.4906

■ 73.8932, 86.0083,
38.1122

■ 76.2293, 86.9771,
48.8604

■ 78.9950, 88.1179,
61.8637

■ 82.2129, 89.4398,
77.2403

■ 85.9037, 90.9510,
95.1002

Harmonies

Analogous

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



91.9117, 83.3564, 13.1205



67.6950, 83.3564, 13.1376



50.5285, 83.3564, 25.2192

Triad

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



67.6950, 83.3564, 13.1376



50.5725, 83.3564, 222.3538



133.5346, 83.3564, 129.8719

Complementary

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



67.6950, 83.3564, 13.1376



17.1686, 7.2930, 86.8943

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.



117.1422, 83.3564, 222.0453



67.6950, 83.3564, 13.1376



67.7680, 83.3564, 291.3582

Square

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



67.6950, 83.3564, 13.1376



42.1084, 83.3564, 130.1667



92.0012, 83.3564, 291.2229



133.5038, 83.3564, 60.2380

Rectangle

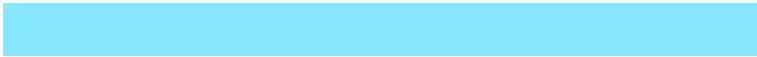
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.6950, 83.3564, 13.1376



43.9448, 83.3564, 45.1833



92.0012, 83.3564, 291.2229



129.6348, 83.3564, 159.7745

Sweetspot

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



67.6969, 83.3603, 13.1393



84.6852, 95.7472, 59.1456



38.1581, 20.2245, 2.5097



17.8591, 20.3835, 11.4115



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.



67.6969, 83.3603, 13.1393



73.7535, 91.1064, 13.6981



41.1543, 69.6770, 11.8971



17.8532, 19.2819, 17.5784



36.3092, 44.8309, 6.7395



3.2091, 3.9494, 0.5932

Inverse Universe

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



17.1686, 7.2930, 86.8943



18.1631, 7.2783, 95.0553



27.4549, 12.5958, 87.3757



15.6354, 15.9547, 20.7981



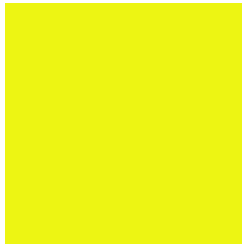
8.9615, 3.5941, 46.7594



0.8064, 0.3256, 4.1106

Previews

White Background



This preview shows how the XYZ color 67.6950, 83.3564, 13.1376 looks on a white background.

Color Contrast Check

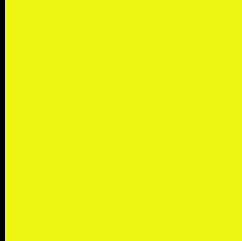
Large Text (above 18pt) WCAG AA × Fail

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 67.6950, 83.3564, 13.1376 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 67.6950, 83.3564, 13.1376

Background



This preview shows how black text looks on a background with the XYZ color 67.6950, 83.3564, 13.1376.

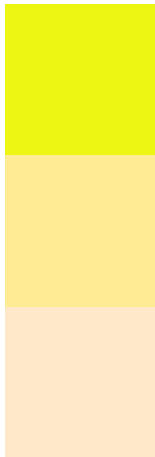


This preview shows how white text looks on a background with the XYZ color 67.6950, 83.3564,

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

67.6950, 83.3564, 13.1376

Protanopia

76.2148, 82.7832, 39.5656

Deuteranopia

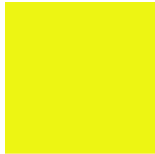
80.7573, 83.2375, 67.6872



Tritanopia

85.2510, 83.2115, 98.7570

Trichromacy



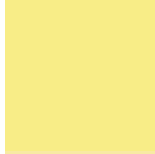
Original Color

67.6950, 83.3564, 13.1376



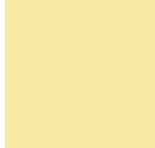
Protanomaly

71.8782, 82.6096, 24.2134



Deuteranomaly

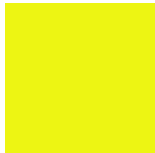
73.3688, 82.2741, 34.9352



Tritanomaly

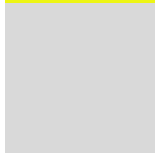
74.7451, 81.4464, 46.4316

Monochromacy



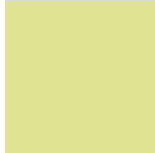
Original Color

67.6950, 83.3564, 13.1376



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

63.3204, 72.8298, 37.5083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6950, 83.3564, 13.1376 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, 245, 19)` looks like.

```
.text, #text, p{  
    color:rgb(237, 245, 19)  
}
```

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, 245, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 245, 19) }
```

Border

The CSS property to change the border of an element to XYZ 67.6950, 83.3564, 13.1376 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, 245, 19) }
```


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

```
.border{ border-color:rgb(237, 245, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 245, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 245, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 245, 19);  
box-shadow:4px 4px 4px 4px rgb(237, 245,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6950, 83.3564, 13.1376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 245, 19) }
```

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

```
.background{ background-color: rgb(237,  
245, 19) }
```

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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