

Converting Colors

XYZ(67.2534, 81.4845, 13.0828)

Have a look what the booklet for
XYZ(67.2534, 81.4845, 13.0828)
contains.

| | |
|--|----|
| XYZ(67.2274, 81.3315, 13.0750) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(67.2274, 81.3315,
13.0750)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | EFF119 |
| RGB | 239, 241, 25 |
| RGB Percent | 94%, 95%, 10% |
| CMY | 0.0627, 0.0549, 0.9019 |
| CMYK | 0.01, 0.00, 0.90, 0.05 |
| HSL | 61°, 89%, 52% |
| HSV | 61°, 90%, 95% |
| XYZ | 67.2274, 81.3315, 13.0750 |
| YIQ | 215.7780, 68.1440, -67.6000 |

Conversions

Conversions Part 2

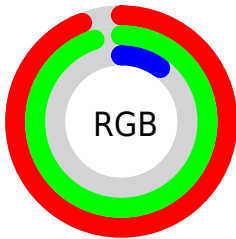
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 25, 241, 27 |
| Decimal | 15724825 |
| CIE Lab | 92.28, -21.23, 88.02 |
| CIE LCh | 92, 90.541, 103.560 |
| Yxy | 81.3315, 0.4159, 0.5032 |
| Android (android.graphics.Color) | 4293914905 (0xFFEFFF119) |
| YUV | 215.7780, -94.0536, 20.3657 |
| Hunter-Lab | 90.1840, -24.7596, 54.5328 |

Details

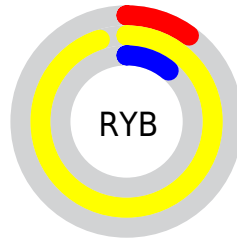
The XYZ color **67.2274, 81.3315, 13.0750** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **16.6788, 7.2807, 83.7504**, and the grayscale version is **65.7100, 69.1320, 75.2848**.

A 20% lighter version of the original color is **79.3003, 93.7001, 25.9630**, and **35.7091, 44.1629, 6.6422** is the 20% darker color. If you saturate the color by 10%, you get **66.9830, 81.2281, 12.1746**, and if you desaturate by 10%, it is **67.6861, 81.5268, 15.0877**.

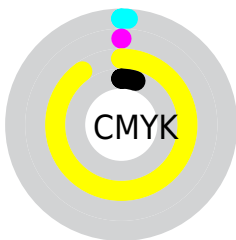
Distribution



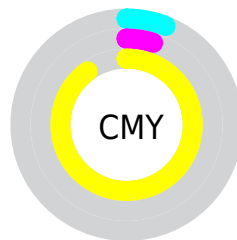
- Red (94%)
- Green (95%)
- Blue (10%)



- Red (10%)
- Yellow (95%)
- Blue (11%)



- Cyan (1%)
- Magenta (0%)
- Yellow (90%)
- Black (5%)



- Cyan (6%)
- Magenta (5%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2274, 81.3315, 13.0750 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 67.2274, 81.3315, 13.0750 by changing the saturation by 10% instead.

67.2274, 81.3315,
13.0750

67.2274, 81.3315,
13.0750

440.1735,
499.4088, 222.6225

49.5408, 60.8147,
7.3489

114.2942,
135.2361, 32.1316

35.2650, 44.0756,
3.5995

144.4051,
169.3927, 46.2992

24.0345, 30.7300,
1.4083

179.3882,
208.8647, 64.1177

15.4841, 20.3933,
0.1482

219.6088,
254.0364, 86.0056

9.2484, 12.6813,
0.0000

265.4323,
305.2923, 112.3815

4.9619, 7.2094,
0.0000

317.2240,

2.2595, 3.5934,

363.0167, 143.6639

0.0000

375.3493,
427.5941, 180.2714

■ 0.7738, 1.4488,
0.0000

■ 0.0000, 0.2523,
0.0000

■ 67.2274, 81.3315,
13.0750

■ 67.2274, 81.3315,
13.0750

■ 66.9830, 81.2281,
12.1746


■ 67.6861, 81.5268,
15.0877


■ 66.9751, 81.2246,
12.1480

■ 68.4149, 81.8271,
18.5299


■ 69.4535, 82.2513,
23.6032


■ 70.8339, 82.8122,
30.4758

 72.5840, 83.5210,
39.2950

 74.7290, 84.3878,
50.1929

 77.2917, 85.4217,
63.2902

 80.2933, 86.6312,
78.6982

 83.7536, 88.0241,
96.5207

Harmonies

Analogous

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



90.7473, 81.3315, 13.5488



67.2274, 81.3315, 13.0750



50.2605, 81.3315, 24.1579

Triad

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



67.2274, 81.3315, 13.0750



49.0701, 81.3315, 210.3247



128.9792, 81.3315, 130.2546

Complementary

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



67.2274, 81.3315, 13.0750



16.6788, 7.2807, 83.7504

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.



112.6348, 81.3315, 218.5816



67.2274, 81.3315, 13.0750



65.2570, 81.3315, 278.5288

Square

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



67.2274, 81.3315, 13.0750



41.2976, 81.3315, 122.3309



88.3385, 81.3315, 282.1422



129.8042, 81.3315, 61.6517

Rectangle

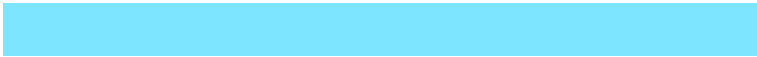
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.2274, 81.3315, 13.0750



43.6122, 81.3315, 42.6835



88.3385, 81.3315, 282.1422



124.9886, 81.3315, 159.2060

Sweetspot

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



67.2292, 81.3353, 13.0767



85.6439, 96.2104, 60.5946



36.8015, 19.4682, 2.7388



18.1326, 20.5128, 11.9564



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.



67.2292, 81.3353, 13.0767



76.1335, 92.3333, 13.8094



41.3077, 67.9723, 11.8636



17.1076, 18.4511, 16.8095



36.3238, 44.0472, 6.5875



3.0265, 3.6667, 0.5482

Inverse Universe

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



16.6788, 7.2807, 83.7504



18.0797, 7.2353, 95.0514



25.9010, 12.0349, 84.1820



14.9109, 15.2358, 19.8765



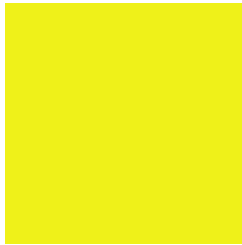
8.6312, 3.4549, 45.3398



0.7228, 0.2899, 3.7721

Previews

White Background



This preview shows how the XYZ color 67.2274, 81.3315, 13.0750 looks on a white background.

Color Contrast Check

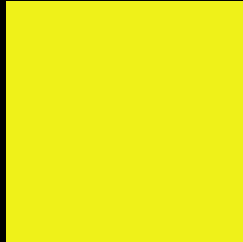
Large Text (above 18pt) WCAG AA × Fail

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 67.2274, 81.3315, 13.0750 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 67.2274, 81.3315, 13.0750

Background



This preview shows how black text looks on a background with the XYZ color 67.2274, 81.3315, 13.0750.



This preview shows how white text looks on a background with the XYZ color 67.2274, 81.3315,

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

67.2274, 81.3315, 13.0750

Protanopia

74.2097, 81.0701, 31.8155

Deuteranopia

78.9969, 81.1937, 62.5473



Tritanopia

83.9227, 80.9821, 95.2123

Trichromacy



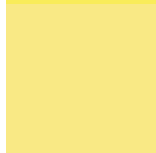
Original Color

67.2274, 81.3315, 13.0750



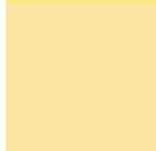
Protanomaly

70.9078, 80.8688, 21.5449



Deuteranomaly

72.4395, 80.1110, 33.8353



Tritanomaly

73.9746, 79.3777, 46.0729

Monochromacy



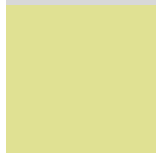
Original Color

67.2274, 81.3315, 13.0750



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

62.9321, 71.8043, 38.1465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2274, 81.3315, 13.0750 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(239, 241, 25)` looks like.

```
.text, #text, p{  
    color:rgb(239, 241, 25)  
}
```

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(239, 241, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 241, 25) }
```

Border

The CSS property to change the border of an element to XYZ 67.2274, 81.3315, 13.0750 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(239, 241, 25) }
```


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

```
.border{ border-color:rgb(239, 241, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 241, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 241, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 241, 25);  
box-shadow:4px 4px 4px 4px rgb(239, 241,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2274, 81.3315, 13.0750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 241, 25) }
```

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

```
.background{ background-color: rgb(239,  
241, 25) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor