

Converting Colors

XYZ(67.0268, 87.6386, 13.3833)

Have a look what the booklet for
XYZ(67.0268, 87.6386, 13.3833)
contains.

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Color

**XYZ(67.1240, 87.6888,
13.3878)**

Conversions

Conversions Part 1

Format	Color
Hex	E2FF00
RGB	226, 255, 0
RGB Percent	89%, 100%, 0%
CMY	0.1137, 0.0000, 0.9998
CMYK	0.11, 0.00, 1.00, 0.00
HSL	67°, 100%, 50%
HSV	67°, 100%, 100%
XYZ	67.1240, 87.6888, 13.3878
YIQ	217.2590, 64.5710, -85.4530

Conversions

Conversions Part 2

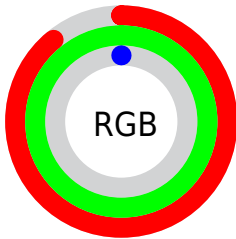
Format	Color
RYB	0, 255, 29
Decimal	14876416
CIELab	95.03, -33.31, 91.98
CIELCh	95, 97.826, 109.910
Yxy	87.6888, 0.3991, 0.5213
Android (android.graphics.Color)	4293066496 (0xFFE2FF00)
YUV	217.2590, -107.1087, 7.6659
Hunter-Lab	93.6423, -35.9229, 57.0731

Details

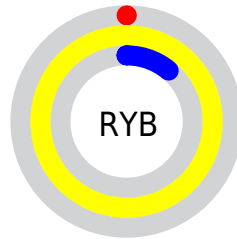
The XYZ color **67.1240, 87.6888, 13.3878** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **18.5583, 7.4827, 95.0739**, and the grayscale version is **66.8150, 70.2945, 76.5508**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **35.9200, 48.4952, 7.4673** is the 20% darker color. If you saturate the color by 10%, you get **67.1223, 87.6879, 13.3877**, and if you desaturate by 10%, it is **68.2224, 88.2340, 14.3857**.

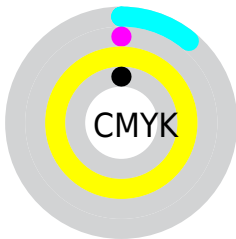
Distribution



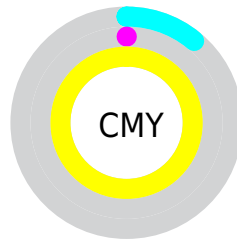
- Red (89%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (11%)



- Cyan (11%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.1240, 87.6888, 13.3878 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 67.1240, 87.6888, 13.3878 by changing the saturation by 10% instead.


 67.1240, 87.6888,
13.3878

 67.1240, 87.6888,
13.3878


439.8116,
520.4836, 224.6827

 49.4565, 66.0654,
7.5623


 114.1469,
144.1238, 32.7001


 35.1977, 48.3255,
3.7324


 144.2330,
179.7042, 47.0239


 23.9825, 34.0847,
1.4797


 179.1893,
220.7057, 65.0176

 15.4453, 22.9587,
0.2028

 219.3811,
267.5127, 87.0997

 9.2208, 14.5630,
0.0000

 265.1739,
320.5096, 113.6887

 4.9438, 8.5133,
0.0000

 316.9331,

 2.2487, 4.4251,

380.0808, 145.2032

0.0000

375.0238,
446.6106, 182.0617

■ 0.7682, 1.9141,
0.0000

■ 0.0000, 0.5568,
0.0000

■ 67.1240, 87.6888,
13.3878

■ 67.1240, 87.6888,
13.3878


■ 67.1223, 87.6879,
13.3877


■ 68.2224, 88.2340,
14.3857


■ 69.5723, 88.8817,
16.6256


■ 71.2455, 89.6606,
20.4874


■ 73.2864, 90.5883,
26.2033

 75.7318, 91.6796,
33.9679

 78.6142, 92.9475,
43.9513

 81.9625, 94.4037,
56.3058

 85.8033, 96.0587,
71.1704

 90.1608, 97.9222,
88.6731

Harmonies

Analogous

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



92.6245, 87.6888, 11.7127



67.1240, 87.6888, 13.3878



50.0407, 87.6888, 28.8327

Triad

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



67.1240, 87.6888, 13.3878



54.5738, 87.6888, 256.9442



144.4711, 87.6888, 123.4874

Complementary

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



67.1240, 87.6888, 13.3878



18.5583, 7.4827, 95.0739

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.



128.8796, 87.6888, 224.1679



67.1240, 87.6888, 13.3878



74.7080, 87.6888, 324.2544

Square

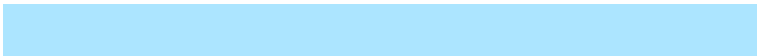
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.1240, 87.6888, 13.3878



43.9346, 87.6888, 154.5026



101.9903, 87.6888, 309.8222



141.2282, 87.6888, 53.8029

Rectangle

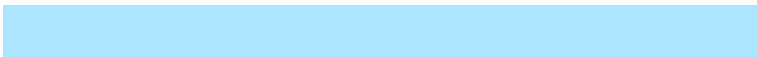
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.1240, 87.6888, 13.3878



43.9705, 87.6888, 53.5080



101.9903, 87.6888, 309.8222



141.1500, 87.6888, 155.1002

Sweetspot

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



67.1239, 87.6887, 13.3889



81.9570, 94.4013, 56.2849



41.5994, 21.9785, 2.0509



17.2275, 20.0693, 10.8688



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.



67.1239, 87.6887, 13.3889



67.1223, 87.6879, 13.3877



41.2424, 74.3462, 12.1777



19.3458, 20.9797, 19.1742



35.1541, 45.8607, 6.9992



3.4782, 4.4939, 0.6841

Inverse Universe

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



18.5583, 7.4827, 95.0739



18.5569, 7.4813, 95.0737



31.1903, 13.9947, 95.6651



17.1948, 17.4766, 22.7170



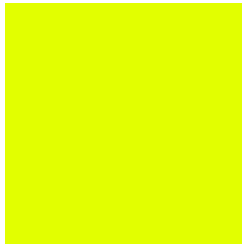
9.7570, 3.9404, 49.6809



1.0091, 0.4141, 4.8400

Previews

White Background



This preview shows how the XYZ color 67.1240, 87.6888, 13.3878 looks on a white background.

Color Contrast Check

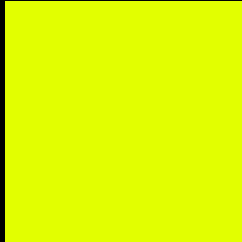
Large Text (above 18pt) WCAG AA × Fail

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 67.1240, 87.6888, 13.3878 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 67.1240, 87.6888, 13.3878

Background



This preview shows how black text looks on a background with the XYZ color 67.1240, 87.6888, 13.3878.

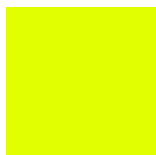


This preview shows how white text looks on a background with the XYZ color 67.1240, 87.6888,

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



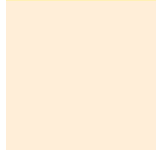
Original Color

67.1240, 87.6888, 13.3878



Protanopia

80.7406, 86.9164, 56.2371



Deuteranopia

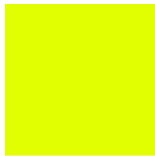
84.2092, 87.3669, 77.3910



Tritanopia

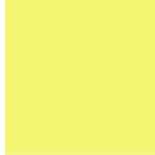
85.9904, 87.2009, 106.9070

Trichromacy



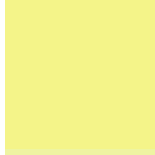
Original Color

67.1240, 87.6888, 13.3878



Protanomaly

73.0551, 85.7757, 28.9256



Deuteranomaly

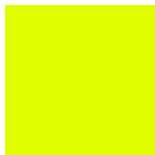
74.1743, 85.7406, 36.3071



Tritanomaly

74.1322, 85.4871, 46.7759

Monochromacy



Original Color

67.1240, 87.6888, 13.3878



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

62.6786, 74.2024, 35.0637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1240, 87.6888, 13.3878 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(226, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 0)  
}
```

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(226, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 67.1240, 87.6888, 13.3878 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(226, 255, 0) }
```


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

```
.border{ border-color:rgb(226, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1240, 87.6888, 13.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 0) }
```

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

```
.background{ background-color: rgb(226,  
255, 0) }
```

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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