

Converting Colors

XYZ(67.7372, 87.8988, 18.2096)

Have a look what the booklet for
XYZ(67.7372, 87.8988, 18.2096)
contains.

XYZ(67.7368, 87.8977, 18.2463)	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(67.7368, 87.8977,
18.2463)**

Conversions

Conversions Part 1

Format	Color
Hex	E1FF40
RGB	225, 255, 64
RGB Percent	88%, 100%, 25%
CMY	0.1176, 0.0000, 0.7490
CMYK	0.12, 0.00, 0.75, 0.00
HSL	69°, 100%, 63%
HSV	69°, 75%, 100%
XYZ	67.7368, 87.8977, 18.2463
YIQ	224.2560, 43.4310, -65.7610

Conversions

Conversions Part 2

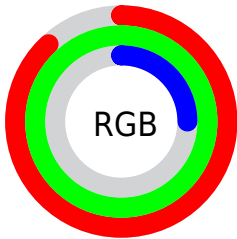
Format	Color
R _{YB}	64, 255, 94
Decimal	14810944
CIE _{Lab}	95.12, -32.34, 81.32
CIE _{LCh}	95, 87.514, 111.689
Yxy	87.8977, 0.3896, 0.5055
Android (android.graphics.Color)	4293001024 (0xFFE1FF40)
YUV	224.2560, -79.0062, 0.6525
Hunter-Lab	93.7538, -35.1034, 54.0887

Details

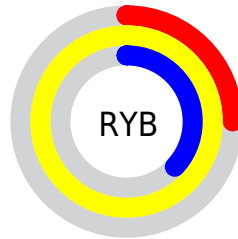
The XYZ color **67.7368, 87.8977, 18.2463** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **24.5007, 13.2678, 95.8773**, and the grayscale version is **71.5605, 75.2872, 81.9878**.

A 20% lighter version of the original color is **80.7017, 94.2607, 33.3427**, and **35.9200, 48.4952, 7.4673** is the 20% darker color. If you saturate the color by 10%, you get **65.9351, 87.0345, 15.2011**, and if you desaturate by 10%, it is **69.8993, 88.9087, 23.0404**.

Distribution



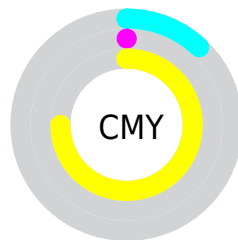
- Red (88%)
- Green (100%)
- Blue (25%)



- Red (25%)
- Yellow (100%)
- Blue (37%)



- Cyan (12%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)



- Cyan (12%)
- Magenta (0%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7368, 87.8977, 18.2463 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 67.7368, 87.8977, 18.2463 by changing the saturation by 10% instead.

67.7368, 87.8977,
18.2463

67.7368, 87.8977,
18.2463

441.9543,
521.1682, 254.5382

49.9565, 66.2383,
10.9557

115.0195,
144.4147, 41.2762

35.5965, 48.4659,
5.9233

145.2527,
180.0412, 57.8525

24.2914, 34.1960,
2.7304

180.3675,
221.0922, 78.3612

15.6758, 23.0442,
0.9587

220.7294,
267.9520, 103.2207

9.3844, 14.6262,
0.0000

266.7036,
321.0051, 132.8496

5.0519, 8.5574,
0.0000

318.6556,

2.3128, 4.4537,

380.6359, 167.6665

0.0000

376.9507,
447.2288, 208.0899

■ 0.8012, 1.9304,
0.0000

■ 0.0000, 0.5666,
0.0000

■ 67.7368, 87.8977,
18.2463

■ 67.7368, 87.8977,
18.2463

■ 65.9351, 87.0345,
15.2011

■ 69.8993, 88.9087,
23.0404

■ 64.4446, 86.2991,
13.6418

■ 72.4627, 90.0834,
29.7906

■ 63.7683, 85.9588,
13.2308

■ 75.4615, 91.4357,
38.6793

■ 78.9266, 92.9780,
49.8667

■ 82.8855, 94.7213,
63.4981

■ 87.3638, 96.6758,
79.7066

■ 92.3851, 98.8511,
98.6156

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



90.3399, 87.8977, 15.7501



67.7368, 87.8977, 18.2463



52.5163, 87.8977, 35.2507

Triad

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



67.7368, 87.8977, 18.2463



58.2488, 87.8977, 239.9095



137.5447, 87.8977, 115.9425

Complementary

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



67.7368, 87.8977, 18.2463



24.5007, 13.2678, 95.8773

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.



124.8756, 87.8977, 202.2091



67.7368, 87.8977, 18.2463



77.0980, 87.8977, 292.9783

Square

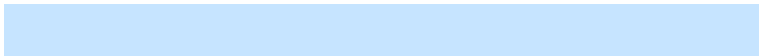
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.7368, 87.8977, 18.2463



47.8071, 87.8977, 152.8192



101.6372, 87.8977, 276.6203



133.7306, 87.8977, 54.9575

Rectangle

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



67.7368, 87.8977, 18.2463



47.1735, 87.8977, 60.1312



101.6372, 87.8977, 276.6203



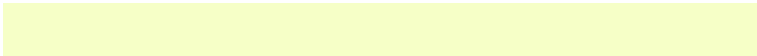
134.9981, 87.8977, 143.1069

Sweetspot

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



67.7368, 87.8977, 18.2475



84.1292, 95.2657, 67.9260



46.0499, 29.3988, 8.0991



17.7578, 20.2817, 13.6510



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.



67.7368, 87.8977, 18.2475



65.1396, 86.6448, 14.2391



46.0233, 76.7040, 17.2313



19.2645, 20.9378, 19.1704



33.4255, 44.9696, 6.9183



3.3265, 4.4157, 0.6770

Inverse Universe

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



24.5007, 13.2678, 95.8773



20.3669, 8.9464, 95.2611



40.6605, 21.5984, 96.6336



17.2686, 17.5147, 22.7205



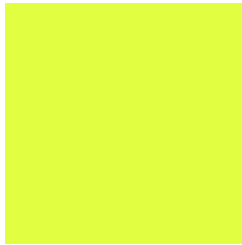
9.9681, 4.0492, 49.6908



1.0437, 0.4319, 4.8416

Previews

White Background



This preview shows how the XYZ color 67.7368, 87.8977, 18.2463 looks on a white background.

Color Contrast Check

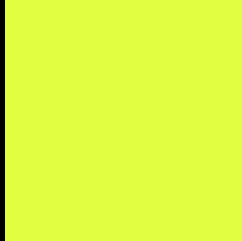
Large Text (above 18pt) WCAG AA × Fail

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 67.7368, 87.8977, 18.2463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

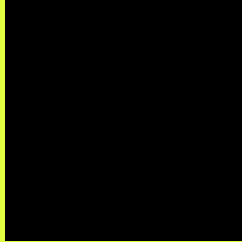
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7368, 87.8977, 18.2463

Background



This preview shows how black text looks on a background with the XYZ color 67.7368, 87.8977, 18.2463.

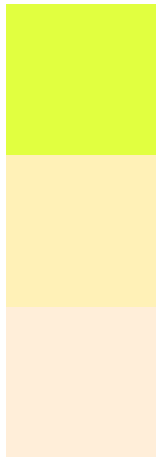


This preview shows how white text looks on a background with the XYZ color 67.7368, 87.8977,

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

67.7368, 87.8977, 18.2463

Protanopia

81.2425, 87.5895, 57.4243

Deuteranopia

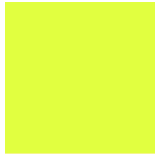
84.3389, 87.4188, 78.0740



Tritanopia

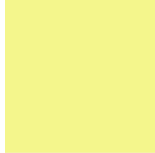
85.5867, 87.4238, 106.9713

Trichromacy



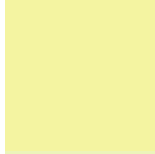
Original Color

67.7368, 87.8977, 18.2463



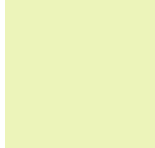
Protanomaly

74.9976, 87.0381, 37.6582



Deuteranomaly

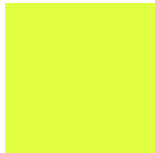
76.0919, 86.5077, 46.4054



Tritanomaly

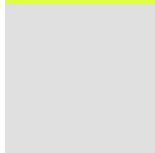
75.8057, 86.0794, 59.0740

Monochromacy



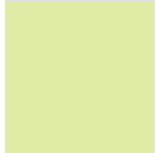
Original Color

67.7368, 87.8977, 18.2463



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.3317, 78.0171, 47.5864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7368, 87.8977, 18.2463 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(225, 255, 64)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 64)  
}
```

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(225, 255, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 64) }
```

Border

The CSS property to change the border of an element to XYZ 67.7368, 87.8977, 18.2463 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(225, 255, 64) }
```


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

```
.border{ border-color:rgb(225, 255, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 255, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 64);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7368, 87.8977, 18.2463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 64) }
```

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

```
.background{ background-color: rgb(225,  
255, 64) }
```

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