

Converting Colors

XYZ(69.2196, 87.7326, 17.5608)

Have a look what the booklet for
XYZ(69.2196, 87.7326, 17.5608)
contains.

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Color

**XYZ(69.2196, 87.7326,
17.5608)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FD3C
RGB	232, 253, 60
RGB Percent	91%, 99%, 24%
CMY	0.0902, 0.0078, 0.7647
CMYK	0.08, 0.00, 0.76, 0.01
HSL	67°, 98%, 61%
HSV	67°, 76%, 99%
XYZ	69.2196, 87.7326, 17.5608
YIQ	224.7190, 49.4370, -64.4750

Conversions

Conversions Part 2

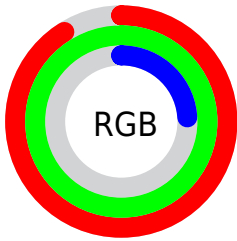
Format	Color
RYB	60, 253, 81
Decimal	15269180
CIELab	95.05, -28.81, 82.60
CIELCh	95, 87.476, 109.227
Yxy	87.7326, 0.3966, 0.5027
Android (android.graphics.Color)	4293459260 (0xFFE8FD3C)
YUV	224.7190, -81.2065, 6.3854
Hunter-Lab	93.6657, -32.0022, 54.4501

Details

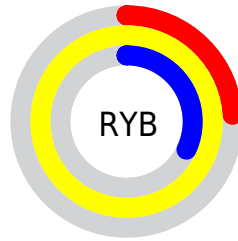
The XYZ color **69.2196, 87.7326, 17.5608** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **22.7416, 12.0749, 94.0659**, and the grayscale version is **71.9086, 75.6534, 82.3866**.

A 20% lighter version of the original color is **80.5129, 94.1851, 32.3484**, and **36.7532, 48.2505, 7.3762** is the 20% darker color. If you saturate the color by 10%, you get **67.8178, 87.0726, 14.7998**, and if you desaturate by 10%, it is **70.9588, 88.5356, 22.0080**.

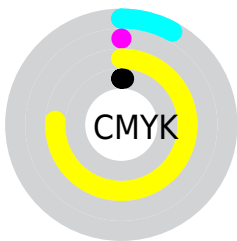
Distribution



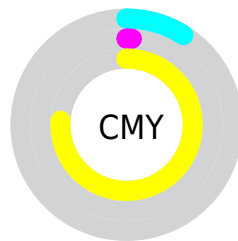
- Red (91%)
- Green (99%)
- Blue (24%)



- Red (24%)
- Yellow (99%)
- Blue (32%)



- Cyan (8%)
- Magenta (0%)
- Yellow (76%)
- Black (1%)



- Cyan (9%)
- Magenta (1%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2196, 87.7326, 17.5608 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 69.2196, 87.7326, 17.5608 by changing the saturation by 10% instead.

69.2196, 87.7326,
17.5608

69.2196, 87.7326,
17.5608

447.1144,
520.6272, 250.5361

51.1679, 66.1016,
10.4690

117.1275,
144.1848, 40.0913

36.5638, 48.3549,
5.6013

147.7144,
179.7749, 56.3670

25.0421, 34.1080,
2.5394

183.2104,
220.7867, 76.5411

16.2373, 22.9766,
0.8609

223.9809,
267.6048, 101.0321

9.7841, 14.5762,
0.0000

270.3912,
320.6135, 130.2586

5.3172, 8.5225,
0.0000

322.8066,

2.4712, 4.4311,

380.1972, 164.6390

0.0000

381.5925,
446.7403, 204.5921

■ 0.8808, 1.9175,
0.0000

■ 0.0000, 0.5589,
0.0000

■ 69.2196, 87.7326,
17.5608

■ 69.2196, 87.7326,
17.5608

■ 67.8178, 87.0726,
14.7998

■ 70.9588, 88.5356,
22.0080

■ 66.6972, 86.5236,
13.4555

■ 73.0697, 89.4857,
28.3478

■ 66.3246, 86.3374,
13.1691

■ 75.5887, 90.6006,
36.7629

■ 78.5462, 91.8926,
47.4130

■ 81.9697, 93.3726,
60.4425

■ 85.8842, 95.0507,
75.9833

■ 90.3132, 96.9362,
94.1578

■ 94.0615, 98.5512,
108.6724

■ 94.4173, 98.7346,
108.6891

Harmonies

Analogous

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



92.2279, 87.7326, 15.9946



69.2196, 87.7326, 17.5608



53.3355, 87.7326, 32.9943

Triad

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



69.2196, 87.7326, 17.5608



56.9522, 87.7326, 232.9464



136.8451, 87.7326, 122.1489

Complementary

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



69.2196, 87.7326, 17.5608



22.7416, 12.0749, 94.0659

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.



123.0223, 87.7326, 209.0836



69.2196, 87.7326, 17.5608



75.1304, 87.7326, 290.5190

Square

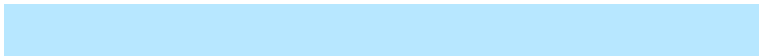
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.2196, 87.7326, 17.5608



47.2400, 87.7326, 145.4565



99.3670, 87.7326, 280.1580



134.4325, 87.7326, 58.5701

Rectangle

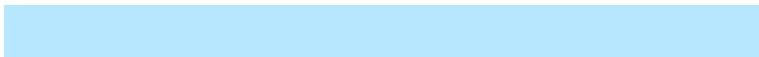
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.2196, 87.7326, 17.5608



47.5294, 87.7326, 56.2070



99.3670, 87.7326, 280.1580



133.8533, 87.7326, 149.8942

Sweetspot

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



69.2216, 87.7366, 17.5626



84.6939, 95.5908, 66.4207



44.1444, 26.8467, 7.1314



17.8337, 20.3338, 13.0643



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.



69.2216, 87.7366, 17.5626



68.3514, 88.3065, 14.1230



46.2937, 75.9169, 16.4896



19.3550, 20.9844, 19.1746



35.3567, 45.9651, 7.0087



3.4959, 4.5030, 0.6849

Inverse Universe

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



22.7416, 12.0749, 94.0659



19.4311, 8.3139, 95.1884



37.2079, 19.5325, 94.7429



17.1865, 17.4724, 22.7166



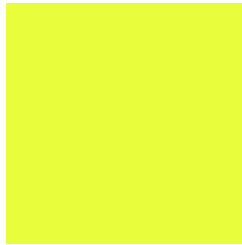
9.7369, 3.9300, 49.6800



1.0052, 0.4121, 4.8398

Previews

White Background



This preview shows how the XYZ color 69.2196, 87.7326, 17.5608 looks on a white background.

Color Contrast Check

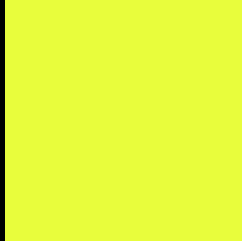
Large Text (above 18pt) WCAG AA × Fail

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 69.2196, 87.7326, 17.5608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

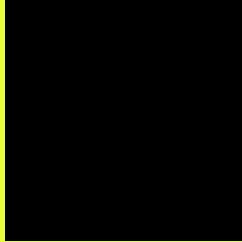
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.2196, 87.7326, 17.5608

Background



This preview shows how black text looks on a background with the XYZ color 69.2196, 87.7326, 17.5608.

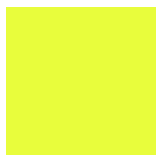


This preview shows how white text looks on a background with the XYZ color 69.2196, 87.7326,

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



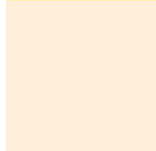
Original Color

69.2196, 87.7326, 17.5608



Protanopia

81.1388, 87.5480, 56.8779



Deuteranopia

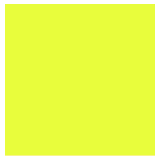
84.3389, 87.4188, 78.0740



Tritanopia

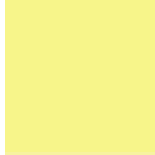
87.3092, 87.4707, 106.0478

Trichromacy



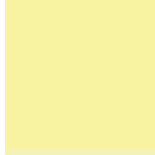
Original Color

69.2196, 87.7326, 17.5608



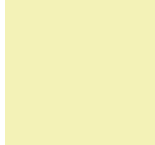
Protanomaly

75.5976, 86.9140, 36.8364



Deuteranomaly

76.7535, 86.4134, 45.8918



Tritanomaly

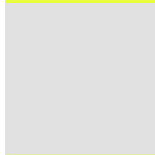
77.2615, 85.9778, 57.3230

Monochromacy



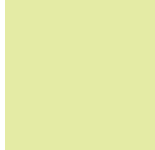
Original Color

69.2196, 87.7326, 17.5608



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.4948, 78.6273, 47.1638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.2196, 87.7326, 17.5608 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(232, 253, 60)` looks like.

```
.text, #text, p{  
    color:rgb(232, 253, 60)  
}
```

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(232, 253, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 253, 60) }
```

Border

The CSS property to change the border of an element to XYZ 69.2196, 87.7326, 17.5608 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(232, 253, 60) }
```


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

```
.border{ border-color:rgb(232, 253, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 253, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 253, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 253, 60);  
box-shadow:4px 4px 4px 4px rgb(232, 253,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 69.2196, 87.7326, 17.5608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 253, 60) }
```

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

```
.background{ background-color: rgb(232,  
253, 60) }
```

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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