

Converting Colors

XYZ(68.7709, 82.5707, 18.5630)

Have a look what the booklet for
XYZ(68.7709, 82.5707, 18.5630)
contains.

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Color

**XYZ(68.5513, 82.3360,
18.5827)**

Conversions

Conversions Part 1

Format	Color
Hex	EFF249
RGB	239, 242, 73
RGB Percent	94%, 95%, 29%
CMY	0.0627, 0.0510, 0.7137
CMYK	0.01, 0.00, 0.70, 0.05
HSL	61°, 87%, 62%
HSV	61°, 70%, 95%
XYZ	68.5513, 82.3360, 18.5827
YIQ	221.8370, 52.4610, -53.1950

Conversions

Conversions Part 2

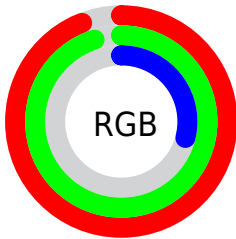
Format	Color
R_{YB}	73, 242, 76
Decimal	15725129
CIE _{Lab}	92.72, -20.24, 76.52
CIE _{LCh}	93, 79.146, 104.814
Yxy	82.3360, 0.4045, 0.4858
Android (android.graphics.Color)	4293915209 (0xFFEFF249)
YUV	221.8370, -73.3766, 15.0520
Hunter-Lab	90.7392, -23.9411, 51.3753

Details

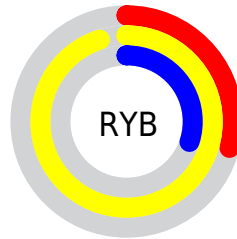
The XYZ color **68.5513, 82.3360, 18.5827** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **21.3924, 12.7141, 85.3361**, and the grayscale version is **69.7939, 73.4286, 79.9638**.

A 20% lighter version of the original color is **81.0967, 94.4187, 35.4231**, and **36.1493, 44.7015, 6.7230** is the 20% darker color. If you saturate the color by 10%, you get **67.7555, 82.0039, 15.1415**, and if you desaturate by 10%, it is **69.6633, 82.8007, 23.6703**.

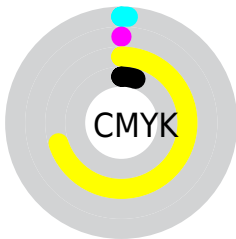
Distribution



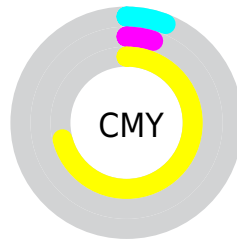
- Red (94%)
- Green (95%)
- Blue (29%)



- Red (29%)
- Yellow (95%)
- Blue (30%)



- Cyan (1%)
- Magenta (0%)
- Yellow (70%)
- Black (5%)



- Cyan (6%)
- Magenta (5%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5513, 82.3360, 18.5827 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 68.5513, 82.3360, 18.5827 by changing the saturation by 10% instead.

68.5513, 82.3360,
18.5827

68.5513, 82.3360,
18.5827

444.7930,
502.7709, 256.4807

50.6217, 61.6425,
11.1954

116.1781,
136.6451, 41.8550

36.1274, 44.7439,
6.0826

146.6059,
171.0295, 58.5771

24.7032, 31.2558,
2.8258

181.9305,
210.7463, 79.2479

15.9836, 20.7937,
1.0064

222.5173,
256.1800, 104.2859

9.6033, 12.9733,
0.0000

268.7316,
307.7149, 134.1096

5.1970, 7.4101,
0.0000

320.9387,

2.3992, 3.7199,

365.7354, 169.1376

0.0000

379.5041,
430.6260, 209.7885

■ 0.8447, 1.5181,
0.0000

■ 0.0000, 0.3014,
0.0000

■ 68.5513, 82.3360,
18.5827

■ 68.5513, 82.3360,
18.5827

■ 67.7555, 82.0039,
15.1415

■ 69.6633, 82.8007,
23.6703

■ 67.2315, 81.7776,
13.1387


■ 71.1181, 83.3995,
30.5697


■ 66.9180, 81.6355,
12.2419


■ 72.9460, 84.1475,
39.4319

■ 66.9134, 81.6334,
12.2301


■ 75.1724, 85.0550,
50.3905

 77.8204, 86.1312,
63.5677

 80.9114, 87.3846,
79.0761

 84.4654, 88.8233,
97.0208

 86.5747, 89.6841,
107.3555

 86.7230, 89.7606,
107.3625

Harmonies

Analogous

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



89.1105, 82.3360, 18.6495



68.5513, 82.3360, 18.5827



53.5064, 82.3360, 30.8132

Triad

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



68.5513, 82.3360, 18.5827



53.3655, 82.3360, 195.8651



123.0996, 82.3360, 122.8068

Complementary

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



68.5513, 82.3360, 18.5827



21.3924, 12.7141, 85.3361

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.



109.6624, 82.3360, 196.7428



68.5513, 82.3360, 18.5827



68.3243, 82.3360, 249.9614

Square

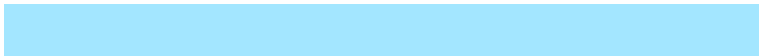
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.5513, 82.3360, 18.5827



45.8436, 82.3360, 121.9319



88.8401, 82.3360, 250.3390



123.1896, 82.3360, 63.6369

Rectangle

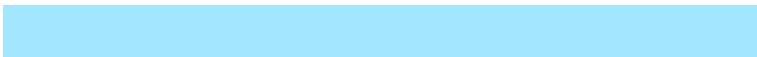
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.5513, 82.3360, 18.5827



47.5813, 82.3360, 49.4885



88.8401, 82.3360, 250.3390



119.9020, 82.3360, 147.1767

Sweetspot

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



68.5532, 82.3398, 18.5844



87.2459, 96.8380, 69.6295



40.3952, 24.5040, 8.9050



18.4906, 20.6527, 13.9878



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.



68.5532, 82.3398, 18.5844



76.0084, 92.2230, 15.8743



46.4149, 70.9271, 17.5483



17.0935, 18.4439, 16.8088



35.9575, 43.8583, 6.5703



3.0002, 3.6532, 0.5470

Inverse Universe

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



21.3924, 12.7141, 85.3361



19.9012, 9.3412, 95.3619



32.9728, 18.6840, 85.8780



14.9233, 15.2422, 19.8771



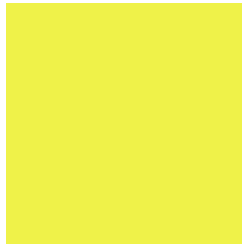
8.6507, 3.4650, 45.3407



0.7288, 0.2929, 3.7724

Previews

White Background



This preview shows how the XYZ color 68.5513, 82.3360, 18.5827 looks on a white background.

Color Contrast Check

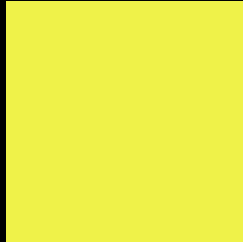
Large Text (above 18pt) WCAG AA × Fail

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 68.5513, 82.3360, 18.5827 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 68.5513, 82.3360, 18.5827

Background



This preview shows how black text looks on a background with the XYZ color 68.5513, 82.3360, 18.5827.

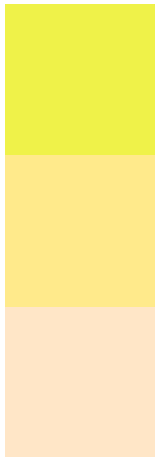


This preview shows how white text looks on a background with the XYZ color 68.5513, 82.3360,

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

68.5513, 82.3360, 18.5827

Protanopia

75.3230, 81.9697, 36.2779

Deuteranopia

79.8456, 81.9771, 65.6477



Tritanopia

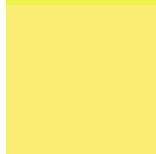
84.3985, 81.9952, 96.9663

Trichromacy



Original Color

68.5513, 82.3360, 18.5827



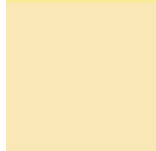
Protanomaly

72.4456, 81.9459, 28.2185



Deuteranomaly

74.2395, 81.2853, 41.9138



Tritanomaly

76.3670, 81.2304, 55.9100

Monochromacy



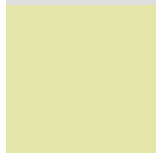
Original Color

68.5513, 82.3360, 18.5827



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

67.0821, 75.3598, 48.0561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5513, 82.3360, 18.5827 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, 242, 73)` looks like.

```
.text, #text, p{  
    color:rgb(239, 242, 73)  
}
```

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, 242, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 242, 73) }
```

Border

The CSS property to change the border of an element to XYZ 68.5513, 82.3360, 18.5827 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, 242, 73) }
```


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

```
.border{ border-color:rgb(239, 242, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 242, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 242, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 242, 73);  
box-shadow:4px 4px 4px 4px rgb(239, 242,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5513, 82.3360, 18.5827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 242, 73) }
```

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

```
.background{ background-color: rgb(239,  
242, 73) }
```

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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