

Converting Colors

XYZ(65.9423, 84.6246, 18.3271)

Have a look what the booklet for
XYZ(65.9423, 84.6246, 18.3271)
contains.

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Color

**XYZ(65.9695, 84.6359,
18.3282)**

Conversions

Conversions Part 1

Format	Color
Hex	E0FA44
RGB	224, 250, 68
RGB Percent	88%, 98%, 27%
CMY	0.1216, 0.0196, 0.7333
CMYK	0.10, 0.00, 0.73, 0.02
HSL	69°, 95%, 62%
HSV	69°, 73%, 98%
XYZ	65.9695, 84.6359, 18.3282
YIQ	221.4780, 42.9260, -62.1140

Conversions

Conversions Part 2

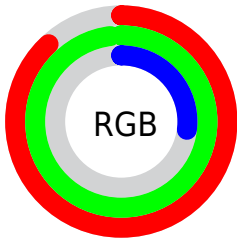
Format	Color
RYB	68, 250, 94
Decimal	14744132
CIELab	93.73, -30.26, 78.75
CIElCh	94, 84.368, 111.020
Yxy	84.6359, 0.3905, 0.5010
Android (android.graphics.Color)	4292934212 (0xFFE0FA44)
YUV	221.4780, -75.6647, 2.2118
Hunter-Lab	91.9978, -32.9978, 52.5864

Details

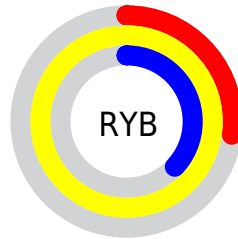
The XYZ color **65.9695, 84.6359, 18.3282** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **23.9413, 13.4180, 91.7757**, and the grayscale version is **69.5605, 73.1830, 79.6963**.

A 20% lighter version of the original color is **80.8963, 94.3385, 34.3675**, and **34.8088, 46.5829, 7.1568** is the 20% darker color. If you saturate the color by 10%, you get **64.2683, 83.8319, 15.0800**, and if you desaturate by 10%, it is **68.0229, 85.5896, 23.2929**.

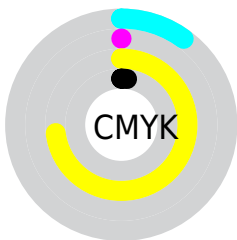
Distribution



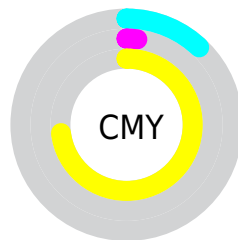
- Red (88%)
- Green (98%)
- Blue (27%)



- Red (27%)
- Yellow (98%)
- Blue (37%)



- Cyan (10%)
- Magenta (0%)
- Yellow (73%)
- Black (2%)



- Cyan (12%)
- Magenta (2%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9695, 84.6359, 18.3282 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 65.9695, 84.6359, 18.3282 by changing the saturation by 10% instead.

65.9695, 84.6359,
18.3282

65.9695, 84.6359,
18.3282

435.7582,
510.4225, 255.0124

48.5153, 63.5406,
11.0140

112.5005,
139.8644, 41.4172

34.4481, 46.2787,
5.9620

142.3080,
174.7663, 58.0292

23.4025, 32.4658,
2.7535

176.9640,
215.0392, 78.5774

15.0133, 21.7175,
0.9702

216.8338,
261.0675, 103.4805

8.9151, 13.6495,
0.0000

262.2827,
313.2356, 133.1571

4.7425, 7.8773,
0.0000

313.6762,

2.1302, 4.0165,

371.9279, 168.0255

0.0000

371.3795,
437.5287, 208.5045

■ 0.7056, 1.6828,
0.0000

■ 0.0000, 0.4125,
0.0000

■ 65.9695, 84.6359,
18.3282

■ 65.9695, 84.6359,
18.3282

■ 64.2683, 83.8319,
15.0800

■ 68.0229, 85.5896,
23.2929

■ 62.8688, 83.1482,
13.3082

■ 70.4597, 86.6963,
30.1625

■ 62.0014, 82.7137,
12.6975

■ 73.3137, 87.9726,
39.1064

■ 76.6134, 89.4299,
50.2740

80.3848, 91.0786,
63.8011

84.6517, 92.9283,
79.8122

89.4362, 94.9878,
98.4235

92.5925, 96.3989,
108.3344

93.4776, 96.8551,
108.3759

Harmonies

Analogous

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



87.3527, 84.6359, 16.1411



65.9695, 84.6359, 18.3282



51.4049, 84.6359, 34.3200

Triad

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



65.9695, 84.6359, 18.3282



56.2884, 84.6359, 225.0604



130.8980, 84.6359, 112.7703

Complementary

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



65.9695, 84.6359, 18.3282



23.9413, 13.4180, 91.7757

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.



118.7640, 84.6359, 193.5026



65.9695, 84.6359, 18.3282



73.9093, 84.6359, 275.4529

Square

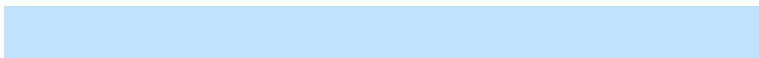
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.9695, 84.6359, 18.3282



46.5788, 84.6359, 143.8279



96.8943, 84.6359, 261.7976



127.6916, 84.6359, 54.6280

Rectangle

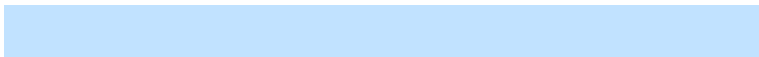
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.9695, 84.6359, 18.3282



46.2158, 84.6359, 57.5894



96.8943, 84.6359, 261.7976



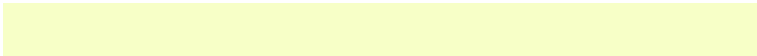
128.4059, 84.6359, 138.3514

Sweetspot

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



65.9715, 84.6398, 18.3300



84.4092, 95.4101, 67.9391



44.3211, 28.4443, 8.6242



17.8248, 20.3162, 13.6542



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.



65.9715, 84.6398, 18.3300



66.5602, 87.3661, 14.8051



45.1810, 73.9219, 17.3570



18.4693, 20.0577, 18.3605



32.9798, 43.9200, 6.7392



3.1191, 4.1011, 0.6272

Inverse Universe

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



23.9413, 13.4180, 91.7757



20.7682, 9.4348, 95.3342



38.9173, 21.1384, 92.4766



16.5137, 16.7620, 21.7503



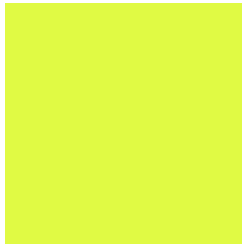
9.6038, 3.8936, 48.2189



0.9572, 0.3955, 4.4691

Previews

White Background



This preview shows how the XYZ color 65.9695, 84.6359, 18.3282 looks on a white background.

Color Contrast Check

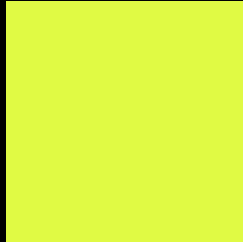
Large Text (above 18pt) WCAG AA × Fail

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 65.9695, 84.6359, 18.3282 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 65.9695, 84.6359, 18.3282

Background



This preview shows how black text looks on a background with the XYZ color 65.9695, 84.6359, 18.3282.



This preview shows how white text looks on a background with the XYZ color 65.9695, 84.6359,

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

65.9695, 84.6359, 18.3282

Protanopia

77.6957, 84.2970, 44.5237

Deuteranopia

81.5195, 83.9941, 70.3085



Tritanopia

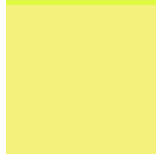
83.3276, 84.1833, 103.9526

Trichromacy



Original Color

65.9695, 84.6359, 18.3282



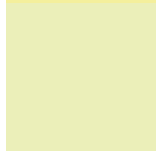
Protanomaly

72.7620, 84.2180, 31.8228



Deuteranomaly

74.1755, 83.3664, 43.6343



Tritanomaly

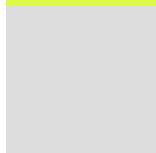
73.8844, 82.8980, 58.0057

Monochromacy



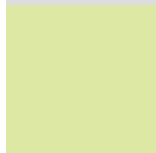
Original Color

65.9695, 84.6359, 18.3282



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.7723, 75.9594, 46.7924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9695, 84.6359, 18.3282 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(224, 250, 68)` looks like.

```
.text, #text, p{  
    color:rgb(224, 250, 68)  
}
```

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(224, 250, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 250, 68) }
```

Border

The CSS property to change the border of an element to XYZ 65.9695, 84.6359, 18.3282 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(224, 250, 68) }
```


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

```
.border{ border-color:rgb(224, 250, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 250, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 250, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 250, 68);  
box-shadow:4px 4px 4px 4px rgb(224, 250,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9695, 84.6359, 18.3282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 250, 68) }
```

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

```
.background{ background-color: rgb(224,  
250, 68) }
```

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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