

Converting Colors

XYZ(62.9183, 83.5663, 16.4282)

Have a look what the booklet for
XYZ(62.9183, 83.5663, 16.4282)
contains.

XYZ(62.9183, 83.5663, 16.4282)	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(62.9183, 83.5663,
16.4282)**

Conversions

Conversions Part 1

Format	Color
Hex	D6FB37
RGB	214, 251, 55
RGB Percent	84%, 98%, 22%
CMY	0.1608, 0.0157, 0.7843
CMYK	0.15, 0.00, 0.78, 0.02
HSL	71°, 96%, 60%
HSV	71°, 78%, 98%
XYZ	62.9183, 83.5663, 16.4282
YIQ	217.5930, 40.8640, -68.8000

Conversions

Conversions Part 2

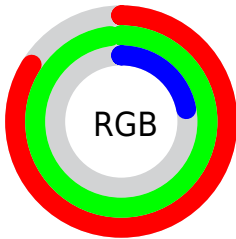
Format	Color
RYB	55, 251, 92
Decimal	14089015
CIELab	93.26, -35.19, 81.91
CIElCh	93, 89.150, 113.252
Yxy	83.5663, 0.3862, 0.5130
Android (android.graphics.Color)	4292279095 (0xFFD6FB37)
YUV	217.5930, -80.1583, -3.1511
Hunter-Lab	91.4146, -37.1186, 53.3352

Details

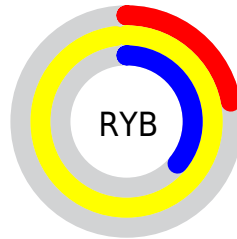
The XYZ color **62.9183, 83.5663, 16.4282** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **23.1954, 11.9748, 92.3606**, and the grayscale version is **66.8773, 70.3602, 76.6222**.

A 20% lighter version of the original color is **80.2700, 94.0880, 31.0697**, and **32.8094, 45.5521, 7.0632** is the 20% darker color. If you saturate the color by 10%, you get **61.1004, 82.6847, 13.9616**, and if you desaturate by 10%, it is **65.0859, 84.5985, 20.5094**.

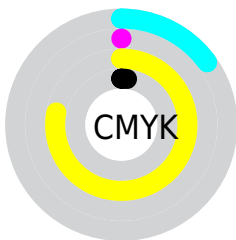
Distribution



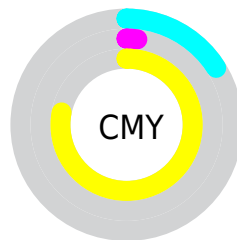
- Red (84%)
- Green (98%)
- Blue (22%)



- Red (22%)
- Yellow (98%)
- Blue (36%)



- Cyan (15%)
- Magenta (0%)
- Yellow (78%)
- Black (2%)





- Cyan (16%)
- Magenta (2%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.9183, 83.5663, 16.4282 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 62.9183, 83.5663, 16.4282 by changing the saturation by 10% instead.


 62.9183, 83.5663,
16.4282


 62.9183, 83.5663,
16.4282


424.9373,
506.8719, 243.7867


 46.0335, 62.6574,
9.6700


 108.1341,
138.3683, 38.1171


 32.4770, 45.5641,
5.0780


 137.1958,
173.0303, 53.8849

 21.8834, 31.9020,
2.2336


 171.0473,
213.0454, 73.4930

 13.8874, 21.2867,
0.6936

 210.0538,
258.7980, 97.3599

 8.1236, 13.3337,
0.0000

 254.5806,
310.6726, 125.9042

 4.2266, 7.6587,
0.0000

304.9933,

 1.8311, 3.8774,

369.0535, 159.5444

0.0000

361.6571,
434.3252, 198.6991

■ 0.5363, 1.6052,
0.0000

■ 0.0000, 0.3611,
0.0000

■ 62.9183, 83.5663,
16.4282

■ 62.9183, 83.5663,
16.4282

■ 61.1004, 82.6847,
13.9616

■ 65.0859, 84.5985,
20.5094

■ 59.5702, 81.9197,
12.8105

■ 67.6386, 85.7864,
26.4148

■ 59.2949, 81.7809,
12.6601

■ 70.6131, 87.1477,
34.3281

■ 74.0402, 88.6949,
44.4093

■ 77.9474, 90.4389,
56.8022

■ 82.3601, 92.3899,
71.6383

■ 87.3017, 94.5574,
89.0392

■ 92.6627, 96.8975,
108.4270

■ 93.7891, 97.4781,
108.4797

Harmonies

Analogous

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



84.8463, 83.5663, 13.5492



62.9183, 83.5663, 16.4282



48.4900, 83.5663, 33.5193

Triad

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



62.9183, 83.5663, 16.4282



55.3815, 83.5663, 238.7081



133.1687, 83.5663, 107.0289

Complementary

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



62.9183, 83.5663, 16.4282



23.1954, 11.9748, 92.3606

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.



121.3283, 83.5663, 192.2265



62.9183, 83.5663, 16.4282



74.2440, 83.5663, 289.0075

Square

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



62.9183, 83.5663, 16.4282



44.7748, 83.5663, 152.1064



98.5975, 83.5663, 268.7623



128.4951, 83.5663, 48.9270

Rectangle

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



62.9183, 83.5663, 16.4282



43.5911, 83.5663, 58.6098



98.5975, 83.5663, 268.7623



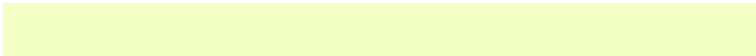
130.9221, 83.5663, 133.5222

Sweetspot

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



62.9202, 83.5701, 16.4300



83.0463, 94.7414, 66.3436



44.2117, 28.2585, 6.7398



17.4286, 20.1250, 13.0454



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.



62.9202, 83.5701, 16.4300



62.3532, 85.2191, 13.6258



42.5350, 73.0611, 15.4759



18.3873, 20.0154, 18.3566



31.2834, 43.0455, 6.6598



2.9774, 4.0280, 0.6206

Inverse Universe

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



23.1954, 11.9748, 92.3606



20.1225, 8.5483, 95.1972



39.7516, 20.5098, 93.1354



16.5888, 16.8007, 21.7538



9.8674, 4.0295, 48.2313



0.9932, 0.4141, 4.4708

Previews

White Background



This preview shows how the XYZ color 62.9183, 83.5663, 16.4282 looks on a white background.

Color Contrast Check

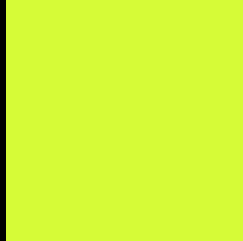
Large Text (above 18pt) WCAG AA × Fail

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 62.9183, 83.5663, 16.4282 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 62.9183, 83.5663, 16.4282

Background



This preview shows how black text looks on a background with the XYZ color 62.9183, 83.5663, 16.4282.

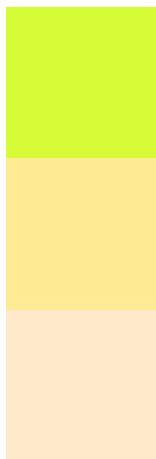


This preview shows how white text looks on a background with the XYZ color 62.9183, 83.5663,

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

62.9183, 83.5663, 16.4282

Protanopia

76.2148, 82.7832, 39.5656

Deuteranopia

80.4766, 82.6761, 67.5936



Tritanopia

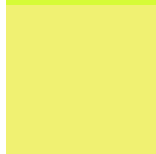
80.5978, 83.1976, 103.9062

Trichromacy



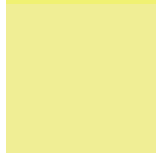
Original Color

62.9183, 83.5663, 16.4282



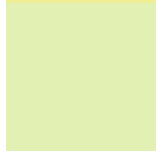
Protanomaly

70.4277, 82.6508, 28.1608



Deuteranomaly

71.9345, 81.8443, 40.4399



Tritanomaly

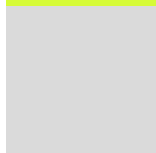
70.7623, 81.7842, 55.2364

Monochromacy



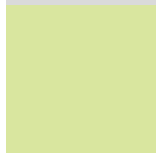
Original Color

62.9183, 83.5663, 16.4282



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

63.1701, 73.8485, 43.7257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.9183, 83.5663, 16.4282 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(214, 251, 55)` looks like.

```
.text, #text, p{  
    color:rgb(214, 251, 55)  
}
```

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(214, 251, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 251, 55) }
```

Border

The CSS property to change the border of an element to XYZ 62.9183, 83.5663, 16.4282 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(214, 251, 55) }
```


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

```
.border{ border-color:rgb(214, 251, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 251, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 251, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 251, 55);  
box-shadow:4px 4px 4px 4px rgb(214, 251,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 62.9183, 83.5663, 16.4282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 251, 55) }
```

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

```
.background{ background-color: rgb(214,  
251, 55) }
```

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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