

Converting Colors

XYZ(62.7963, 85.3982, 15.8755)

Have a look what the booklet for
XYZ(62.7963, 85.3982, 15.8755)
contains.

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Color

**XYZ(62.8514, 85.4269,
15.8657)**

Conversions

Conversions Part 1

Format	Color
Hex	D2FF2F
RGB	210, 255, 47
RGB Percent	82%, 100%, 18%
CMY	0.1765, 0.0000, 0.8156
CMYK	0.18, 0.00, 0.82, 0.00
HSL	73°, 100%, 59%
HSV	73°, 82%, 100%
XYZ	62.8514, 85.4269, 15.8657
YIQ	217.8330, 39.9480, -74.2280

Conversions

Conversions Part 2

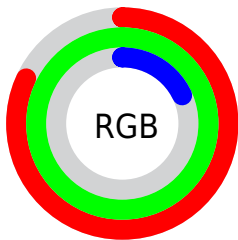
Format	Color
RYB	47, 255, 92
Decimal	13827887
CIELab	94.07, -38.82, 84.53
CIElCh	94, 93.014, 114.667
Yxy	85.4269, 0.3829, 0.5204
Android (android.graphics.Color)	4292017967 (0xFFD2FF2F)
YUV	217.8330, -84.2207, -6.8695
Hunter-Lab	92.4267, -40.3642, 54.5211

Details

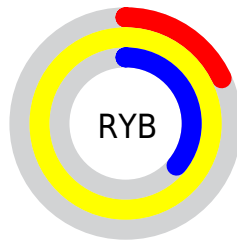
The XYZ color **62.8514, 85.4269, 15.8657** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **23.4817, 11.5298, 95.5956**, and the grayscale version is **67.0685, 70.5613, 76.8413**.

A 20% lighter version of the original color is **79.9806, 93.9723, 29.5458**, and **32.9566, 46.9675, 7.3286** is the 20% darker color. If you saturate the color by 10%, you get **60.9343, 84.4816, 13.8296**, and if you desaturate by 10%, it is **65.1226, 86.5199, 19.4863**.

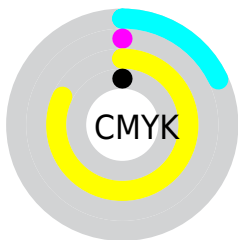
Distribution



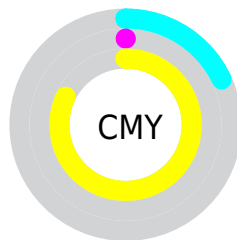
- Red (82%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (100%)
- Blue (36%)



- Cyan (18%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.8514, 85.4269, 15.8657 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 62.8514, 85.4269, 15.8657 by changing the saturation by 10% instead.


 62.8514, 85.4269,
15.8657


 62.8514, 85.4269,
15.8657


424.6982,
513.0396, 240.3665


 45.9792, 64.1942,
9.2758


 108.0381,
140.9695, 37.1284


 32.4340, 46.8080,
4.8223


 137.0833,
176.0481, 52.6384


 21.8503, 32.8839,
2.0865


 170.9169,
216.5108, 71.9588

 13.8630, 22.0375,
0.6077

 209.9043,
262.7420, 95.5082

 8.1065, 13.8845,
0.0000

 254.4107,
315.1261, 123.7051

 4.2155, 8.0403,
0.0000

304.8016,

 1.8248, 4.1208,

374.0475, 156.9681

0.0000

361.4424,
439.8905, 195.7158

■ 0.5325, 1.7414,
0.0000

■ 0.0000, 0.4502,
0.0000

■ 62.8514, 85.4269,
15.8657

■ 62.8514, 85.4269,
15.8657

■ 60.9343, 84.4816,
13.8296

■ 65.1226, 86.5199,
19.4863

■ 59.5335, 83.7757,
13.0326

■ 67.7941, 87.7795,
24.9279

■ 70.9042, 89.2208,
32.3912

■ 74.4864, 90.8574,
42.0496

■ 78.5706, 92.7014,
54.0579

■ 83.1841, 94.7635,
68.5570

■ 88.3518, 97.0541,
85.6765

■ 94.0974, 99.5824,
105.5373

■ 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.



85.7162, 85.4269, 12.4831



62.8514, 85.4269, 15.8657



48.1350, 85.4269, 34.2191

Triad

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



62.8514, 85.4269, 15.8657



56.5897, 85.4269, 255.1551



138.6316, 85.4269, 106.3166

Complementary

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



62.8514, 85.4269, 15.8657



23.4817, 11.5298, 95.5956

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.



126.7191, 85.4269, 196.6555



62.8514, 85.4269, 15.8657



76.8370, 85.4269, 306.4633

Square

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



62.8514, 85.4269, 15.8657



45.0698, 85.4269, 162.5669



102.8015, 85.4269, 280.8875



132.7861, 85.4269, 46.8154

Rectangle

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



62.8514, 85.4269, 15.8657



43.2985, 85.4269, 61.3332



102.8015, 85.4269, 280.8875



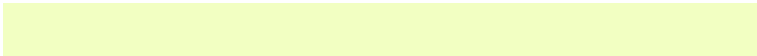
136.5094, 85.4269, 134.0729

Sweetspot

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



62.8514, 85.4268, 15.8668



82.0103, 94.2406, 64.7891



45.2932, 28.5451, 5.8130



17.1986, 20.0128, 12.7468



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.



62.8514, 85.4268, 15.8668



59.8569, 83.9392, 13.1935



42.6302, 75.0024, 14.9205



19.1540, 20.8808, 19.1652



31.2393, 43.8425, 6.8160



3.1326, 4.3157, 0.6679

Inverse Universe

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



23.4817, 11.5298, 95.5956



19.9190, 8.2657, 95.1533



40.9582, 20.5392, 96.4135



17.3704, 17.5671, 22.7252



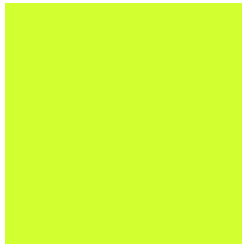
10.3612, 4.2519, 49.7092



1.0962, 0.4590, 4.8441

Previews

White Background



This preview shows how the XYZ color 62.8514, 85.4269, 15.8657 looks on a white background.

Color Contrast Check

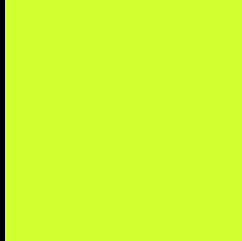
Large Text (above 18pt) WCAG AA × Fail

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 62.8514, 85.4269, 15.8657 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 62.8514, 85.4269, 15.8657

Background



This preview shows how black text looks on a background with the XYZ color 62.8514, 85.4269, 15.8657.



This preview shows how white text looks on a background with the XYZ color 62.8514, 85.4269,

Color Blindness Simulation

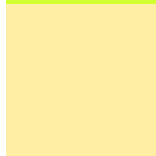
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



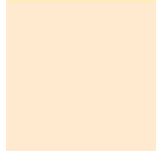
Original Color

62.8514, 85.4269, 15.8657



Protanopia

78.4254, 85.0534, 46.9338



Deuteranopia

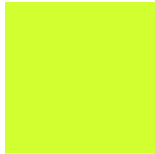
82.0480, 84.6597, 71.6911



Tritanopia

81.2892, 84.7773, 106.6870

Trichromacy



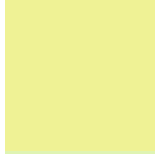
Original Color

62.8514, 85.4269, 15.8657



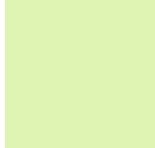
Protanomaly

71.3985, 84.4326, 30.6232



Deuteranomaly

72.7735, 84.0249, 40.8166



Tritanomaly

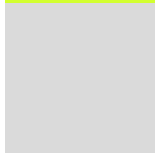
70.9188, 83.6440, 55.0549

Monochromacy



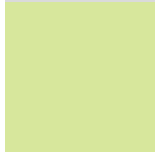
Original Color

62.8514, 85.4269, 15.8657



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

62.6010, 73.9992, 42.4363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.8514, 85.4269, 15.8657 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(210, 255, 47)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 47)  
}
```

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(210, 255, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 47) }
```

Border

The CSS property to change the border of an element to XYZ 62.8514, 85.4269, 15.8657 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(210, 255, 47) }
```


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

```
.border{ border-color:rgb(210, 255, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 255, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 47);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8514, 85.4269, 15.8657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 47) }
```

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

```
.background{ background-color: rgb(210,  
255, 47) }
```

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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