

Converting Colors

XYZ(62.5681, 85.0630, 25.6915)

Have a look what the booklet for
XYZ(62.5681, 85.0630, 25.6915)
contains.

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Color

**XYZ(62.5154, 85.0359,
25.6890)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFF66
RGB	202, 255, 102
RGB Percent	79%, 100%, 40%
CMY	0.2078, 0.0000, 0.6000
CMYK	0.21, 0.00, 0.60, 0.00
HSL	81°, 100%, 70%
HSV	81°, 60%, 100%
XYZ	62.5154, 85.0359, 25.6890
YIQ	221.7110, 17.5250, -58.8190

Conversions

Conversions Part 2

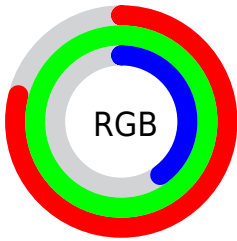
Format	Color
RYB	102, 255, 155
Decimal	13303654
CIELab	93.90, -38.87, 65.90
CIELCh	94, 76.507, 120.535
Yxy	85.0359, 0.3609, 0.4909
Android (android.graphics.Color)	4291493734 (0xFFCAFF66)
YUV	221.7110, -59.0175, -17.2865
Hunter-Lab	92.2149, -40.3653, 48.0336

Details

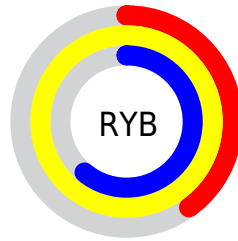
The XYZ color **62.5154, 85.0359, 25.6890** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **36.3203, 23.6927, 97.2666**, and the grayscale version is **69.6213, 73.2471, 79.7661**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **32.1503, 46.4993, 9.6636** is the 20% darker color. If you saturate the color by 10%, you get **59.1168, 83.4081, 19.9134**, and if you desaturate by 10%, it is **66.4400, 86.8898, 33.5211**.

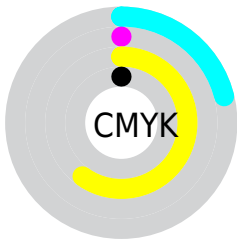
Distribution



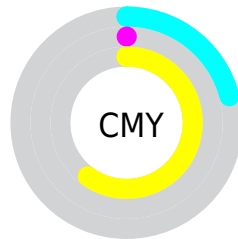
- Red (79%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (61%)



- Cyan (21%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.5154, 85.0359, 25.6890 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 62.5154, 85.0359, 25.6890 by changing the saturation by 10% instead.


 62.5154, 85.0359,
25.6890


 62.5154, 85.0359,
25.6890


423.4963,
511.7469, 294.8088


 45.7065, 63.8710,
16.3674


 107.5558,
140.4233, 53.7507


 32.2179, 46.5462,
9.6274


 136.5180,
175.4147, 73.3279

 21.6843, 32.6771,
5.0502


 170.2620,
215.7837, 97.1608

 13.7404, 21.8792,
2.2175

 209.1531,
261.9147, 125.6679

 8.0208, 13.7682,
0.6845

253.5568,
314.1921, 159.2677

 4.1602, 7.9596,
0.0000

303.8383,

 1.7932, 4.0691,

373.0004, 198.3787

0.0000

360.3630,
438.7238, 243.4196

■ 0.5135, 1.7123,
0.0000

■ 0.0000, 0.4316,
0.0000

■ 62.5154, 85.0359,
25.6890

■ 62.5154, 85.0359,
25.6890

■ 59.1168, 83.4081,
19.9134

■ 66.4400, 86.8898,
33.5211

■ 56.2045, 81.9905,
15.9959

■ 70.9246, 88.9838,
43.5764

■ 53.7323, 80.7642,
13.7055

■ 76.0006, 91.3306,
56.0084

■ 51.6257, 79.6991,
12.6626

■ 81.6964, 93.9420,
70.9563

■ 51.6254, 79.6989,
12.6625

■ 88.0384, 96.8286,
88.5482

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.



80.4589, 85.0359, 19.6260



62.5154, 85.0359, 25.6890



51.2976, 85.0359, 47.6528

Triad

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



62.5154, 85.0359, 25.6890



63.0506, 85.0359, 228.5904



126.6490, 85.0359, 91.5462

Complementary

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



62.5154, 85.0359, 25.6890



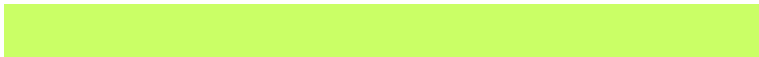
36.3203, 23.6927, 97.2666

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.



119.9398, 85.0359, 159.4409



62.5154, 85.0359, 25.6890



81.1903, 85.0359, 256.1170

Square

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



62.5154, 85.0359, 25.6890



51.5681, 85.0359, 162.0613



102.3981, 85.0359, 226.6826



119.4647, 85.0359, 46.4973

Rectangle

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



62.5154, 85.0359, 25.6890



48.0227, 85.0359, 75.3437



102.3981, 85.0359, 226.6826



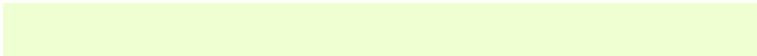
125.9334, 85.0359, 112.2848

Sweetspot

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



62.5155, 85.0359, 25.6902



82.9112, 94.4964, 74.2563



55.0302, 45.0028, 18.3575



17.3696, 20.0541, 14.8728



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.



62.5155, 85.0359, 25.6902



58.4963, 83.1081, 18.9872



46.9861, 77.0302, 24.9634



18.9145, 20.7574, 19.1540



27.1425, 41.7305, 6.6242



2.7606, 4.1239, 0.6505

Inverse Universe

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



36.3203, 23.6927, 97.2666



30.3208, 16.9286, 96.2772



55.2749, 33.4641, 98.1537



17.5964, 17.6837, 22.7358



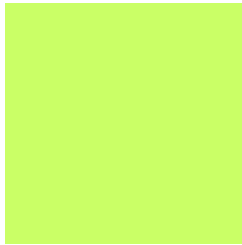
11.6953, 4.9396, 49.7716



1.2510, 0.5389, 4.8513

Previews

White Background



This preview shows how the XYZ color 62.5154, 85.0359, 25.6890 looks on a white background.

Color Contrast Check

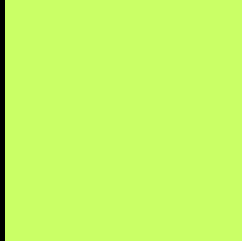
Large Text (above 18pt) WCAG AA × Fail

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 62.5154, 85.0359, 25.6890 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

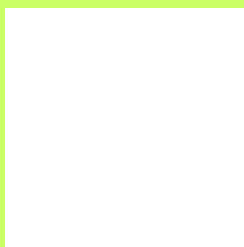
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.5154, 85.0359, 25.6890

Background



This preview shows how black text looks on a background with the XYZ color 62.5154, 85.0359, 25.6890.



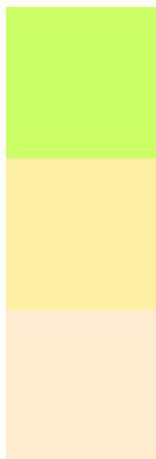
This preview shows how white text looks on a background with the XYZ color 62.5154, 85.0359,

25.6890.

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

62.5154, 85.0359, 25.6890

Protanopia

77.9572, 84.4016, 45.9006

Deuteranopia

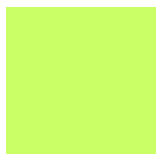
81.7641, 84.0919, 71.5964



Tritanopia

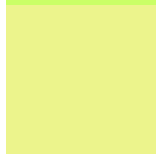
79.6570, 84.8003, 106.7775

Trichromacy



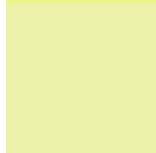
Original Color

62.5154, 85.0359, 25.6890



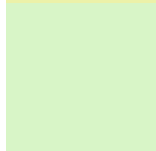
Protanomaly

71.6764, 84.4277, 37.3294



Deuteranomaly

73.2088, 83.6080, 49.8156



Tritanomaly

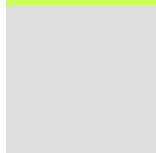
71.2801, 84.0273, 66.4949

Monochromacy



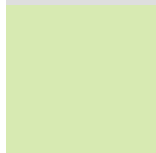
Original Color

62.5154, 85.0359, 25.6890



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

65.4830, 76.5071, 53.4355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.5154, 85.0359, 25.6890 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(202, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 102)  
}
```

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(202, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 62.5154, 85.0359, 25.6890 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(202, 255, 102) }
```


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

```
.border{ border-color:rgb(202, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 62.5154, 85.0359, 25.6890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 102) }
```

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

```
.background{ background-color: rgb(202,  
255, 102) }
```

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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