

Converting Colors

XYZ(60.2177, 83.8514, 25.5816)

Have a look what the booklet for
XYZ(60.2177, 83.8514, 25.5816)
contains.

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Color

**XYZ(60.1506, 83.8168,
25.5784)**

Conversions

Conversions Part 1

Format	Color
Hex	C1FF66
RGB	193, 255, 102
RGB Percent	76%, 100%, 40%
CMY	0.2431, 0.0000, 0.6000
CMYK	0.24, 0.00, 0.60, 0.00
HSL	84°, 100%, 70%
HSV	84°, 60%, 100%
XYZ	60.1506, 83.8168, 25.5784
YIQ	219.0200, 12.1610, -60.7270

Conversions

Conversions Part 2

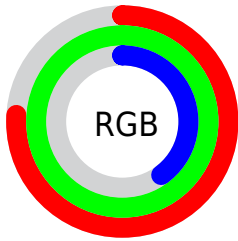
Format	Color
RYB	102, 255, 164
Decimal	12713830
CIELab	93.37, -42.15, 65.16
CIElCh	93, 77.608, 122.895
Yxy	83.8168, 0.3548, 0.4944
Android (android.graphics.Color)	4290903910 (0xFFC1FF66)
YUV	219.0200, -57.6909, -22.8195
Hunter-Lab	91.5515, -42.9382, 47.5211

Details

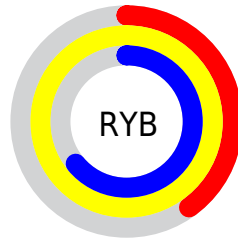
The XYZ color **60.1506, 83.8168, 25.5784** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **38.1127, 24.6167, 97.3505**, and the grayscale version is **67.7274, 71.2545, 77.5961**.

A 20% lighter version of the original color is **82.0764, 94.6841, 46.2977**, and **30.8020, 45.8043, 9.6005** is the 20% darker color. If you saturate the color by 10%, you get **56.5312, 82.0752, 19.7924**, and if you desaturate by 10%, it is **64.3433, 85.8089, 33.4231**.

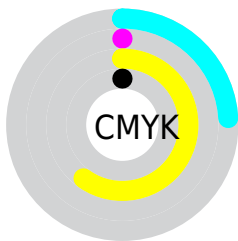
Distribution



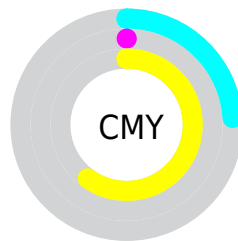
- Red (76%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (64%)



- Cyan (24%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.1506, 83.8168, 25.5784 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 60.1506, 83.8168, 25.5784 by changing the saturation by 10% instead.


 60.1506, 83.8168,
25.5784


 60.1506, 83.8168,
25.5784


414.9785,
507.7047, 294.2456


 43.7900, 62.8642,
16.2856


 104.1532,
138.7189, 53.5697


 30.7026, 45.7314,
9.5699


 132.5259,
173.4371, 73.1053

 20.5232, 32.0339,
5.0129


 165.6333,
213.5127, 96.8922

 12.8864, 21.3874,
2.1960

 203.8407,
259.3301, 125.3490

 7.4268, 13.4075,
0.6720

247.5136,
311.2735, 158.8942

 3.7791, 7.7097,
0.0000

297.0173,

 1.5780, 3.9098,

369.7275, 197.9463

0.0000

352.7172,
435.0765, 242.9240

■ 0.3780, 1.6232,
0.0000

■ 0.0000, 0.3732,
0.0000

■ 60.1506, 83.8168,
25.5784

■ 60.1506, 83.8168,
25.5784

■ 56.5312, 82.0752,
19.7924

■ 64.3433, 85.8089,
33.4231

■ 53.4439, 80.5674,
15.8668


■ 69.1447, 88.0662,
43.4932


■ 50.8410, 79.2736,
13.5703

■ 74.5874, 90.6021,
55.9424

■ 48.6463, 78.1631,
12.5232

■ 80.7013, 93.4290,
70.9099

 48.6459, 78.1629,
12.5231

 87.5140, 96.5582,
88.5239

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.



77.6945, 83.8168, 18.6447



60.1506, 83.8168, 25.5784



49.5235, 83.8168, 48.9483

Triad

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



60.1506, 83.8168, 25.5784



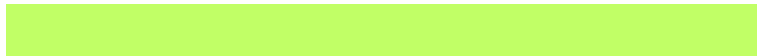
63.0502, 83.8168, 232.8032



125.7744, 83.8168, 85.6881

Complementary

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



60.1506, 83.8168, 25.5784



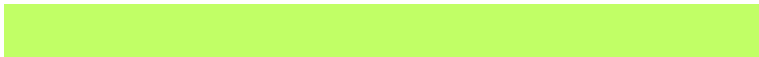
38.1127, 24.6167, 97.3505

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.



120.0723, 83.8168, 152.8298



60.1506, 83.8168, 25.5784



81.6693, 83.8168, 256.3928

Square

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



60.1506, 83.8168, 25.5784



50.9852, 83.8168, 167.1577



103.0011, 83.8168, 222.3380



117.4787, 83.8168, 42.7247

Rectangle

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



60.1506, 83.8168, 25.5784



46.6535, 83.8168, 78.0231



103.0011, 83.8168, 222.3380



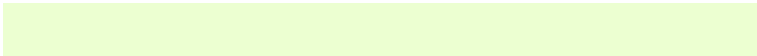
125.4333, 83.8168, 105.9202

Sweetspot

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



60.1508, 83.8168, 25.5796



82.0058, 94.0297, 74.2139



56.7717, 48.4859, 18.9381



17.1480, 19.9398, 14.8625



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.



60.1508, 83.8168, 25.5796



55.8720, 81.7552, 18.8643



45.5356, 76.2824, 24.8956



18.8075, 20.7022, 19.1490



25.5920, 40.9312, 6.5517



2.6156, 4.0491, 0.6437

Inverse Universe

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



38.1127, 24.6167, 97.3505



32.1478, 17.8704, 96.3627



58.6354, 35.1966, 98.3109



17.6999, 17.7370, 22.7407



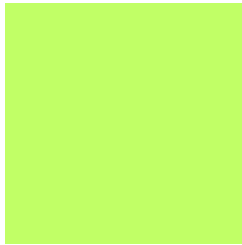
12.5328, 5.3714, 49.8108



1.3401, 0.5848, 4.8555

Previews

White Background



This preview shows how the XYZ color 60.1506, 83.8168, 25.5784 looks on a white background.

Color Contrast Check

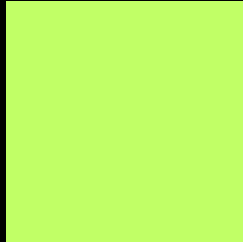
Large Text (above 18pt) WCAG AA × Fail

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 60.1506, 83.8168, 25.5784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

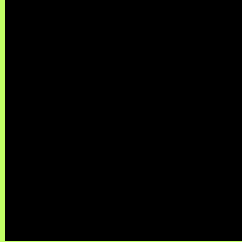
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.1506, 83.8168, 25.5784

Background



This preview shows how black text looks on a background with the XYZ color 60.1506, 83.8168, 25.5784.



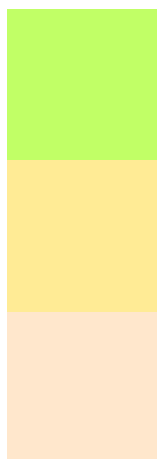
This preview shows how white text looks on a background with the XYZ color 60.1506, 83.8168,

25.5784.

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

60.1506, 83.8168, 25.5784

Protanopia

76.3731, 82.8466, 40.3995

Deuteranopia

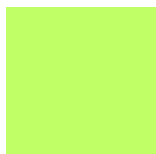
80.7150, 82.7715, 68.8491



Tritanopia

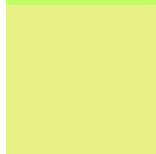
77.5318, 83.7047, 106.6780

Trichromacy



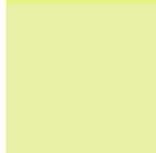
Original Color

60.1506, 83.8168, 25.5784



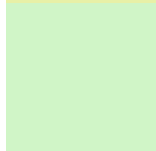
Protanomaly

69.1957, 82.3260, 34.0733



Deuteranomaly

71.4139, 82.2660, 48.6742



Tritanomaly

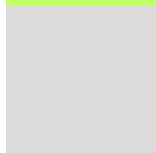
68.9736, 82.8382, 66.3869

Monochromacy



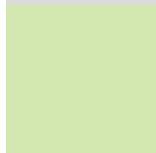
Original Color

60.1506, 83.8168, 25.5784



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.2714, 74.5495, 52.1290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.1506, 83.8168, 25.5784 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(193, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(193, 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(193, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 60.1506, 83.8168, 25.5784 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(193, 255, 102) }
```


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

```
.border{ border-color:rgb(193, 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(193, 255, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 60.1506, 83.8168, 25.5784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 102) }
```

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

```
.background{ background-color: rgb(193,  
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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