

Converting Colors

XYZ(55.7944, 81.8481, 12.8576)

Have a look what the booklet for
XYZ(55.7944, 81.8481, 12.8576)
contains.

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Color

**XYZ(55.7676, 81.8343,
12.8563)**

Conversions

Conversions Part 1

Format	Color
Hex	B9FF00
RGB	185, 255, 0
RGB Percent	73%, 100%, 0%
CMY	0.2745, 0.0000, 0.9998
CMYK	0.27, 0.00, 1.00, 0.00
HSL	76°, 100%, 50%
HSV	76°, 100%, 100%
XYZ	55.7676, 81.8343, 12.8563
YIQ	205.0000, 40.1350, -94.1450

Conversions

Conversions Part 2

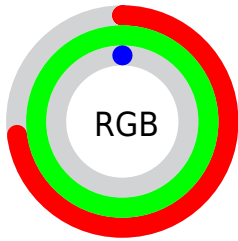
Format	Color
RYB	0, 255, 70
Decimal	12189440
CIELab	92.50, -49.09, 88.95
CIElCh	93, 101.602, 118.894
Yxy	81.8343, 0.3707, 0.5439
Android (android.graphics.Color)	4290379520 (0xFFB9FF00)
YUV	205.0000, -101.0650, -17.5400
Hunter-Lab	90.4623, -48.2686, 54.8975

Details

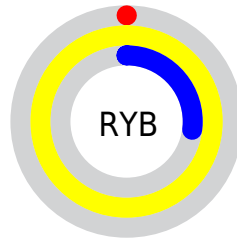
The XYZ color **55.7676, 81.8343, 12.8563** is a dark color, and the websafe version is hex **CCFF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **20.5790, 8.5244, 95.1685**, and the grayscale version is **58.6361, 61.6897, 67.1801**.

A 20% lighter version of the original color is **75.7864, 91.9210, 24.3378**, and **28.6515, 44.7481, 7.1272** is the 20% darker color. If you saturate the color by 10%, you get **55.7649, 81.8329, 12.8562**, and if you desaturate by 10%, it is **57.6797, 82.7991, 13.8922**.

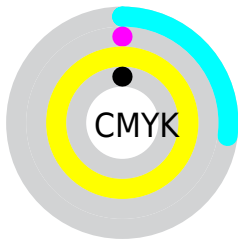
Distribution



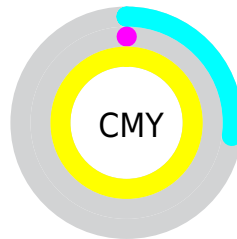
- Red (73%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (27%)



- Cyan (27%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7676, 81.8343, 12.8563 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 55.7676, 81.8343, 12.8563 by changing the saturation by 10% instead.


 55.7676, 81.8343,
12.8563


 55.7676, 81.8343,
12.8563


398.9043,
501.0933, 221.1700


 40.2529, 61.2290,
7.2001


 97.8065, 135.9416,
31.7328


 27.9209, 44.4100,
3.5072


 125.0614,
170.2124, 45.7901


 18.4062, 30.9929,
1.3591


 156.9604,
209.8071, 63.4850

 11.3434, 20.5935,
0.1095

 193.8688,
255.1101, 85.2358

 6.3673, 12.8272,
0.0000

 236.1521,
306.5058, 111.4612

 3.1125, 7.3096,
0.0000

 284.1755,

 1.2135, 3.6565,

364.3787, 142.5797

0.0000

338.3045,
429.1130, 179.0098

■ 0.1170, 1.4833,
0.0000

■ 0.0000, 0.2770,
0.0000

■ 55.7676, 81.8343,
12.8563

■ 55.7676, 81.8343,
12.8563

■ 55.7649, 81.8329,
12.8562

■ 57.6797, 82.7991,
13.8922

■ 59.9120, 83.9017,
16.1734

■ 62.5377, 85.1715,
20.0797

■ 65.6019, 86.6268,
25.8434

69.1427, 88.2828,
33.6592

73.1934, 90.1531,
43.6972

77.7841, 92.2497,
56.1098

82.9422, 94.5837,
71.0359

88.6929, 97.1655,
88.6037

Harmonies

Analogous

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



78.7633, 81.8343, 8.5035



55.7676, 81.8343, 12.8563



41.9498, 81.8343, 33.1769

Triad

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



55.7676, 81.8343, 12.8563



54.4214, 81.8343, 280.1768



140.2707, 81.8343, 91.9344

Complementary

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



55.7676, 81.8343, 12.8563



20.5790, 8.5244, 95.1685

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.



129.7596, 81.8343, 187.1198



55.7676, 81.8343, 12.8563



76.8070, 81.8343, 327.3465

Square

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



55.7676, 81.8343, 12.8563



41.3050, 81.8343, 179.2753



104.9371, 81.8343, 286.2324



131.1404, 81.8343, 35.7520

Rectangle

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



55.7676, 81.8343, 12.8563



37.8880, 81.8343, 63.9626



104.9371, 81.8343, 286.2324



138.8828, 81.8343, 120.0957

Sweetspot

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



55.7677, 81.8343, 12.8574



77.7768, 92.2463, 56.0892



43.3090, 25.3977, 2.6207



16.2187, 19.5493, 10.8216



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.



55.7677, 81.8343, 12.8574



55.7649, 81.8329, 12.8562



37.5954, 72.4662, 12.0070



19.0464, 20.8253, 19.1602



29.2897, 42.8375, 6.7247



2.9572, 4.2253, 0.6597

Inverse Universe

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



20.5790, 8.5244, 95.1685



20.5766, 8.5225, 95.1682



40.6878, 18.8909, 96.1096



17.4710, 17.6190, 22.7299



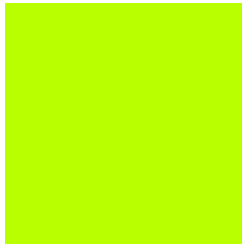
10.8740, 4.5162, 49.7332



1.1586, 0.4912, 4.8470

Previews

White Background



This preview shows how the XYZ color 55.7676, 81.8343, 12.8563 looks on a white background.

Color Contrast Check

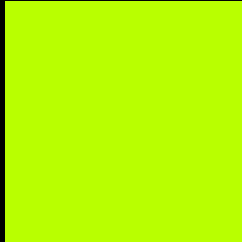
Large Text (above 18pt) WCAG AA × Fail

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 55.7676, 81.8343, 12.8563 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 55.7676, 81.8343, 12.8563

Background



This preview shows how black text looks on a background with the XYZ color 55.7676, 81.8343, 12.8563.

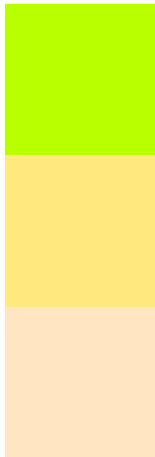


This preview shows how white text looks on a background with the XYZ color 55.7676, 81.8343,

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

55.7676, 81.8343, 12.8563

Protanopia

74.1448, 81.0442, 31.4739

Deuteranopia

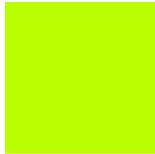
78.9969, 81.1937, 62.5473



Tritanopia

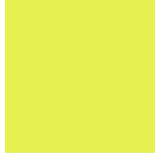
74.9125, 81.4900, 106.3886

Trichromacy



Original Color

55.7676, 81.8343, 12.8563



Protanomaly

65.5364, 80.3128, 19.6372



Deuteranomaly

66.7828, 79.4021, 30.5452



Tritanomaly

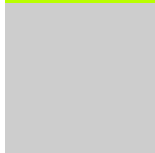
62.9597, 79.7275, 46.2530

Monochromacy



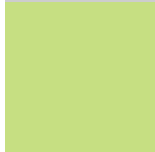
Original Color

55.7676, 81.8343, 12.8563



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.7056, 66.3928, 31.1036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7676, 81.8343, 12.8563 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(185, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 0)  
}
```

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(185, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 55.7676, 81.8343, 12.8563 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(185, 255, 0) }
```


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

```
.border{ border-color:rgb(185, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7676, 81.8343, 12.8563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 255, 0) }
```

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

```
.background{ background-color: rgb(185,  
255, 0) }
```

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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