

Converting Colors

XYZ(53.3878, 80.2228, 30.1235)

Have a look what the booklet for
XYZ(53.3878, 80.2228, 30.1235)
contains.

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Color

**XYZ(53.3878, 80.2228,
30.1235)**

Conversions

Conversions Part 1	
Format	Color
Hex	9FFF77
RGB	159, 255, 119
RGB Percent	62%, 100%, 47%
CMY	0.3765, 0.0000, 0.5333
CMYK	0.38, 0.00, 0.53, 0.00
HSL	102°, 100%, 73%
HSV	102°, 53%, 100%
XYZ	53.3878, 80.2228, 30.1235
YIQ	210.7920, -13.5600, -62.6480

Conversions

Conversions Part 2

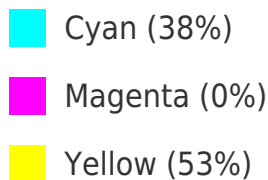
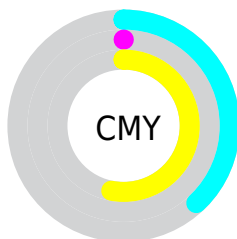
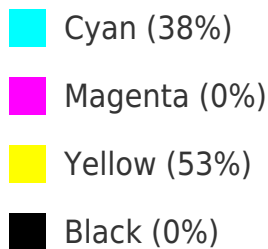
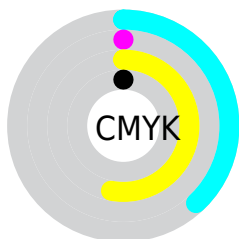
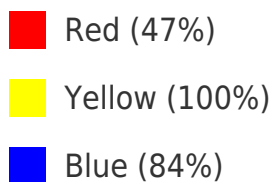
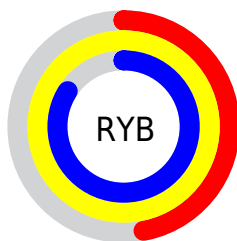
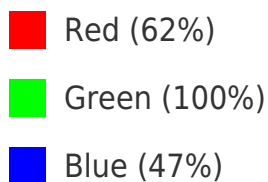
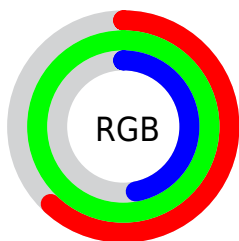
Format	Color
RYB	119, 255, 215
Decimal	10485623
CIELab	91.78, -52.04, 55.52
CIELCh	92, 76.096, 133.152
Yxy	80.2228, 0.3261, 0.4900
Android (android.graphics.Color)	4288675703 (0xFF9FFF77)
YUV	210.7920, -45.2535, -45.4216
Hunter-Lab	89.5672, -50.3451, 42.7564

Details

The XYZ color **53.3878, 80.2228, 30.1235** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **52.6727, 34.8622, 98.5607**, and the grayscale version is **62.0750, 65.3077, 71.1201**.

A 20% lighter version of the original color is **72.3134, 89.4814, 53.5047**, and **26.5150, 43.5365, 12.0069** is the 20% darker color. If you saturate the color by 10%, you get **48.7426, 77.9820, 22.9563**, and if you desaturate by 10%, it is **58.9642, 82.8962, 39.4808**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 53.3878, 80.2228, 30.1235 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 53.3878, 80.2228, 30.1235 by changing the saturation by 10% instead.


 53.3878, 80.2228,
30.1235

 53.3878, 80.2228,
30.1235


390.0077,
495.6834, 316.7049


 38.3412, 59.9017,
19.6795

 94.3369, 133.6789,
60.9207

 26.4260, 43.3394,
11.9805


 120.9701,
167.5828, 82.1111

 17.2769, 30.1515,
6.6080


 152.1963,
206.7830, 107.7206

 10.5287, 19.9536,
3.1435

188.3806,
251.6639, 138.1678

 5.8158, 12.3613,
1.1684

229.8886,
302.6101, 173.8713

 2.7730, 6.9903,
0.0000


277.0855,


 1.0349, 3.4560,


360.0058, 215.2497


0.0000


330.3368,
424.2354, 262.7213


 0.0000, 1.3742,
0.0000


 0.0000, 0.1976,
0.0000


 53.3878, 80.2228,
30.1235


 53.3878, 80.2228,
30.1235


 48.7426, 77.9820,
22.9563


 58.9642, 82.8962,
39.4808


 44.9718, 76.1483,
17.7973


 65.5220, 86.0247,
51.1832


 42.0125, 74.6940,
14.4412

 73.1084, 89.6293,
65.3759

 39.7915, 73.5866,
12.6369

 81.7673, 93.7299,
82.1914

 38.6613, 73.0157,
12.0558

 91.5399, 98.3450,
101.7526

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.



68.0382, 80.2228, 18.9865



53.3878, 80.2228, 30.1235



45.7181, 80.2228, 59.7935

Triad

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



53.3878, 80.2228, 30.1235



65.8973, 80.2228, 235.5510



118.8622, 80.2228, 65.1384

Complementary

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



53.3878, 80.2228, 30.1235



52.6727, 34.8622, 98.5607

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.



118.0232, 80.2228, 122.2868



53.3878, 80.2228, 30.1235



85.0959, 80.2228, 239.0390

Square

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



53.3878, 80.2228, 30.1235



52.0515, 80.2228, 183.2083



104.8521, 80.2228, 191.3458



106.9797, 80.2228, 32.5952

Rectangle

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



53.3878, 80.2228, 30.1235



44.6237, 80.2228, 93.3822



104.8521, 80.2228, 191.3458



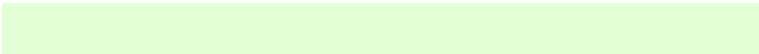
120.1116, 80.2228, 81.5814

Sweetspot

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



53.3881, 80.2229, 30.1247



79.3497, 92.5862, 77.4411



68.6675, 70.7870, 27.4981



16.5964, 19.6337, 15.8194



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.



53.3881, 80.2229, 30.1247



48.4640, 77.8470, 22.5511



48.5724, 77.5239, 39.6806



18.2735, 20.4269, 19.1240



20.3301, 38.2186, 6.3054



2.0830, 3.7746, 0.6188

Inverse Universe

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



52.6727, 34.8622, 98.5607



47.5929, 28.1055, 97.5242



61.8132, 40.0450, 77.7254



18.2418, 18.0164, 22.7660



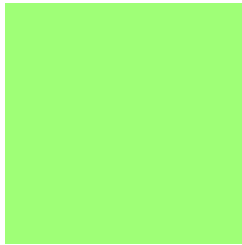
19.4238, 8.9238, 50.1333



2.0006, 0.9252, 4.8864

Previews

White Background



This preview shows how the XYZ color 53.3878, 80.2228, 30.1235 looks on a white background.

Color Contrast Check

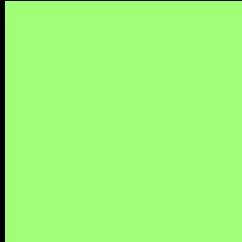
Large Text (above 18pt) WCAG AA × Fail

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 53.3878, 80.2228, 30.1235 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

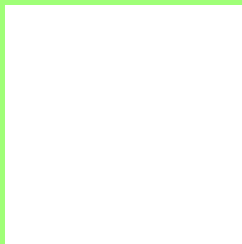
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.3878, 80.2228, 30.1235

Background



This preview shows how black text looks on a background with the XYZ color 53.3878, 80.2228, 30.1235.



This preview shows how white text looks on a background with the XYZ color 53.3878, 80.2228,

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

53.3878, 80.2228, 30.1235

Protanopia

72.4061, 79.0013, 26.4715

Deuteranopia

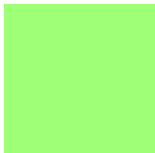
77.6796, 78.9162, 61.0074



Tritanopia

70.1104, 79.4454, 106.2470

Trichromacy



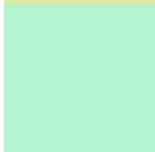
Original Color
53.3878, 80.2228, 30.1235



Protanomaly
63.4190, 78.1636, 27.6641

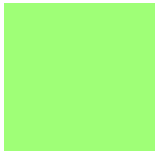


Deuteranomaly
66.3022, 77.9232, 47.1435

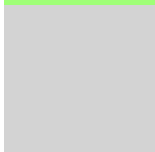


Tritanomaly
62.0817, 78.7413, 70.3191

Monochromacy



Original Color
53.3878, 80.2228, 30.1235



Achromatopsia
61.9161, 65.1406, 70.9381



Achromatomaly
57.2432, 69.3590, 52.4901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3878, 80.2228, 30.1235 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(159, 255, 119)` looks like.

```
.text, #text, p{  
    color:rgb(159, 255, 119)  
}
```

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(159, 255, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 119) }
```

Border

The CSS property to change the border of an element to XYZ 53.3878, 80.2228, 30.1235 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(159, 255, 119) }
```


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

```
.border{ border-color:rgb(159, 255, 119) }
```

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

Here you see how a box with a 4 pixel rgb(159, 255, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 119);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3878, 80.2228, 30.1235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 255, 119) }
```

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

```
.background{ background-color: rgb(159,  
255, 119) }
```

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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