

Converting Colors

XYZ(53.3932, 80.2204, 30.3565)

Have a look what the booklet for
XYZ(53.3932, 80.2204, 30.3565)
contains.

XYZ(53.4482, 80.2470, 30.4415)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(53.4482, 80.2470,
30.4415)**

Conversions

Conversions Part 1

Format	Color
Hex	9FFF78
RGB	159, 255, 120
RGB Percent	62%, 100%, 47%
CMY	0.3765, 0.0000, 0.5294
CMYK	0.38, 0.00, 0.53, 0.00
HSL	103°, 100%, 74%
HSV	103°, 53%, 100%
XYZ	53.4482, 80.2470, 30.4415
YIQ	210.9060, -13.8810, -62.3370

Conversions

Conversions Part 2

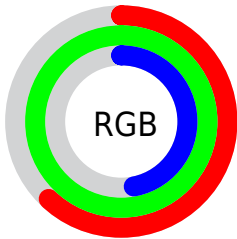
Format	Color
RYB	120, 255, 216
Decimal	10485624
CIELab	91.80, -51.94, 55.08
CIElCh	92, 75.702, 133.318
Yxy	80.2470, 0.3256, 0.4889
Android (android.graphics.Color)	4288675704 (0xFF9FFF78)
YUV	210.9060, -44.8167, -45.5216
Hunter-Lab	89.5807, -50.2644, 42.5584

Details

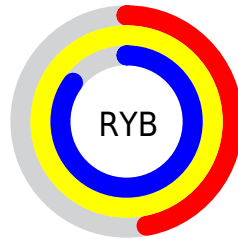
The XYZ color **53.4482, 80.2470, 30.4415** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **53.0869, 35.2533, 98.6143**, and the grayscale version is **62.1478, 65.3843, 71.2035**.

A 20% lighter version of the original color is **72.4113, 89.5206, 54.0202**, and **26.5443, 43.5482, 12.1609** is the 20% darker color. If you saturate the color by 10%, you get **48.7648, 77.9882, 23.1916**, and if you desaturate by 10%, it is **59.0717, 82.9427, 39.8883**.

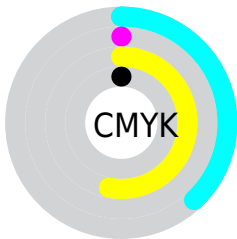
Distribution



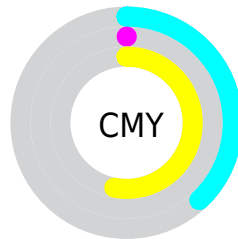
- Red (62%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (85%)



- Cyan (38%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.4482, 80.2470, 30.4415 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 53.4482, 80.2470, 30.4415 by changing the saturation by 10% instead.


 53.4482, 80.2470,
30.4415


 53.4482, 80.2470,
30.4415


390.2351,
495.7649, 318.2281


 38.3896, 59.9216,
19.9191


 94.4252, 133.7129,
61.4289

 26.4638, 43.3555,
12.1527


 121.0743,
167.6223, 82.7310

 17.3054, 30.1641,
6.7240


 152.3177,
206.8285, 108.4633

 10.5491, 19.9632,
3.2143

188.5206,
251.7158, 139.0445

 5.8296, 12.3683,
1.2051

230.0484,
302.6687, 174.8930

 2.7814, 6.9950,
0.0000


277.2666,


 1.0392, 3.4590,


360.0716, 216.4274


0.0000


330.5403,
424.3088, 264.0663

 0.0000, 1.3758,
0.0000


 0.0000, 0.1988,
0.0000


 53.4482, 80.2470,
30.4415

 53.4482, 80.2470,
30.4415


 48.7648, 77.9882,
23.1916


 59.0717, 82.9427,
39.8883


 44.9644, 76.1410,
17.9576


 65.6860, 86.0982,
51.6866


 41.9840, 74.6771,
14.5356

 73.3385, 89.7348,
65.9809

 39.7499, 73.5642,
12.6767

 82.0734, 93.8723,
82.9033

 38.5581, 72.9625,
12.0509

 91.9323, 98.5295,
102.5766

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.



68.0026, 80.2470, 19.2182



53.4482, 80.2470, 30.4415



45.8442, 80.2470, 60.1709

Triad

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



53.4482, 80.2470, 30.4415



66.0636, 80.2470, 234.7469



118.6061, 80.2470, 65.0153

Complementary

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



53.4482, 80.2470, 30.4415



53.0869, 35.2533, 98.6143

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.



117.8476, 80.2470, 121.7467



53.4482, 80.2470, 30.4415



85.1868, 80.2470, 237.8951

Square

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



53.4482, 80.2470, 30.4415



52.2369, 80.2470, 183.0002



104.8143, 80.2470, 190.3495



106.7382, 80.2470, 32.6884

Rectangle

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



53.4482, 80.2470, 30.4415



44.7797, 80.2470, 93.7026



104.8143, 80.2470, 190.3495



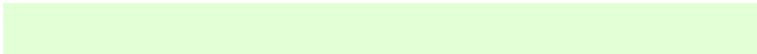
119.8725, 80.2470, 81.3395

Sweetspot

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



53.4485, 80.2471, 30.4427



79.2828, 92.5517, 77.4380



68.8040, 70.9633, 27.8414



16.5805, 19.6256, 15.8187



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.



53.4485, 80.2471, 30.4427



48.3211, 77.7733, 22.5444



48.7729, 77.6200, 40.0166



18.2644, 20.4222, 19.1236



20.2744, 38.1899, 6.3028



2.0766, 3.7713, 0.6185

Inverse Universe

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



53.0869, 35.2533, 98.6143



47.8319, 28.2288, 97.5354



61.9606, 40.2953, 77.9114



18.2514, 18.0214, 22.7665



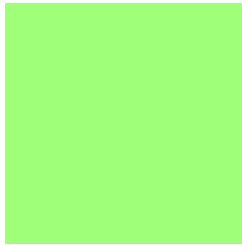
19.5855, 9.0072, 50.1409



2.0153, 0.9328, 4.8871

Previews

White Background



This preview shows how the XYZ color 53.4482, 80.2470, 30.4415 looks on a white background.

Color Contrast Check

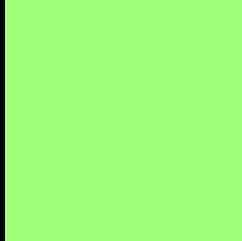
Large Text (above 18pt) WCAG AA × Fail

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 53.4482, 80.2470, 30.4415 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 53.4482, 80.2470, 30.4415

Background



This preview shows how black text looks on a background with the XYZ color 53.4482, 80.2470, 30.4415.



This preview shows how white text looks on a background with the XYZ color 53.4482, 80.2470,

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

53.4482, 80.2470, 30.4415

Protanopia

72.4614, 79.0235, 26.7632

Deuteranopia

77.6796, 78.9162, 61.0074



Tritanopia

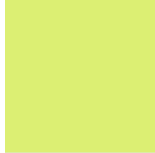
70.4024, 80.0294, 106.3444

Trichromacy



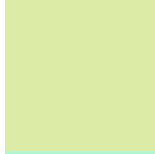
Original Color

53.4482, 80.2470, 30.4415



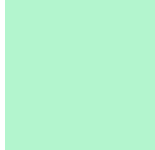
Protanomaly

63.4762, 78.1865, 27.9656



Deuteranomaly

66.3936, 77.9597, 47.6248



Tritanomaly

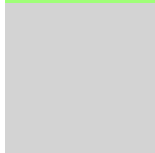
62.3834, 79.3448, 70.4196

Monochromacy



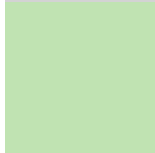
Original Color

53.4482, 80.2470, 30.4415



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 53.4482, 80.2470, 30.4415 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(159, 255, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 120) }
```

Border

The CSS property to change the border of an element to XYZ 53.4482, 80.2470, 30.4415 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, 120) }
```


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

```
.border{ border-color:rgb(159, 255, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 120);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 53.4482, 80.2470, 30.4415 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, 120) }
```

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

```
.background{ background-color: rgb(159,  
255, 120) }
```

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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