

Converting Colors

XYZ(71.9228, 121.4227,
35.9270)

Have a look what the booklet for
XYZ(71.9228, 121.4227, 35.9270)
contains.

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Color

**XYZ(50.5316, 78.7775,
28.7620)**

Conversions

Conversions Part 1

Format	Color
Hex	91FF73
RGB	145, 255, 115
RGB Percent	57%, 100%, 45%
CMY	0.4314, 0.0000, 0.5490
CMYK	0.43, 0.00, 0.55, 0.00
HSL	107°, 100%, 73%
HSV	107°, 55%, 100%
XYZ	50.5316, 78.7775, 28.7620
YIQ	206.1500, -20.6200, -66.8600

Conversions

Conversions Part 2

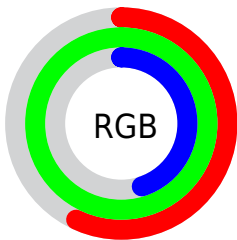
Format	Color
RYB	115, 255, 225
Decimal	9568115
CIELab	91.13, -56.73, 56.39
CIELCh	91, 79.986, 135.174
Yxy	78.7775, 0.3197, 0.4984
Android (android.graphics.Color)	4287758195 (0xFF91FF73)
YUV	206.1500, -44.9370, -53.6286
Hunter-Lab	88.7567, -53.6993, 42.9165

Details

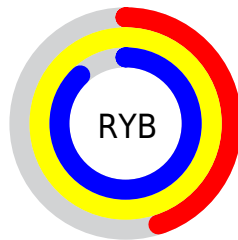
The XYZ color **50.5316, 78.7775, 28.7620** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **55.2336, 35.4905, 98.5470**, and the grayscale version is **59.0506, 62.1258, 67.6550**.

A 20% lighter version of the original color is **67.9175, 87.2596, 51.2934**, and **24.5549, 42.2007, 11.2663** is the 20% darker color. If you saturate the color by 10%, you get **46.0367, 76.6071, 21.9228**, and if you desaturate by 10%, it is **56.0556, 81.4317, 37.7697**.

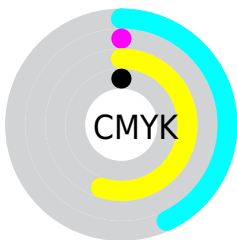
Distribution



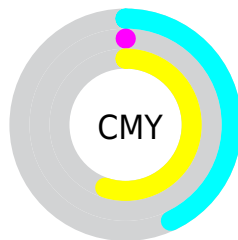
- Red (57%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (88%)



- Cyan (43%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5316, 78.7775, 28.7620 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 50.5316, 78.7775, 28.7620 by changing the saturation by 10% instead.

 50.5316, 78.7775,
28.7620


 50.5316, 78.7775,
28.7620


379.1589,
490.8033, 310.1161


 36.0555, 58.7129,
18.6568


 90.1491, 131.6456,
58.7364

 24.6474, 42.3820,
11.2483


 116.0213,
165.2178, 79.4427

 15.9419, 29.4006,
6.1178


 146.4228,
204.0614, 104.5198

 9.5736, 19.3840,
2.8469

181.7191,
248.5608, 134.3862

 5.1773, 11.9481,
1.0170

222.2755,
299.1002, 169.4605

 2.3875, 6.7084,
0.0000

268.4574,

 0.8389, 3.2804,

356.0642, 210.1612

0.0000

320.6301,
419.8371, 256.9069

0.0000, 1.2798,
0.0000

0.0000, 0.1255,
0.0000

50.5316, 78.7775,
28.7620

50.5316, 78.7775,
28.7620

46.0367, 76.6071,
21.9228

56.0556, 81.4317,
37.7697

42.5028, 74.8891,
17.0660

62.6685, 84.5967,
49.1042

39.8546, 73.5895,
13.9803

70.4266, 88.2985,
62.9130

38.0031, 72.6680,
12.4043

79.3816, 92.5609,
79.3307

■ 37.3158, 72.3220,
11.9928

■ 89.5824, 97.4063,
98.4817

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.



65.1463, 78.7775, 16.9157



50.5316, 78.7775, 28.7620



43.2097, 78.7775, 60.3048

Triad

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



50.5316, 78.7775, 28.7620



65.3544, 78.7775, 244.8786



119.0543, 78.7775, 59.7899

Complementary

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



50.5316, 78.7775, 28.7620



55.2336, 35.4905, 98.5470

Split Complementary

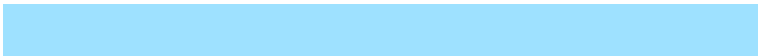
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



119.1375, 78.7775, 117.5646



50.5316, 78.7775, 28.7620



85.5284, 78.7775, 244.5266

Square

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



50.5316, 78.7775, 28.7620



50.6602, 78.7775, 191.5633



105.9998, 78.7775, 190.7474



105.7895, 78.7775, 28.5318

Rectangle

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



50.5316, 78.7775, 28.7620



42.4265, 78.7775, 96.2213



105.9998, 78.7775, 190.7474



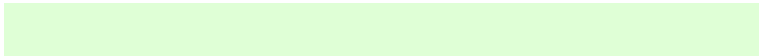
120.6937, 78.7775, 76.1141

Sweetspot

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



50.5319, 78.7777, 28.7632



78.3368, 92.0640, 77.3937



71.1702, 76.1688, 27.1719



16.3573, 19.5104, 15.8082



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.



50.5319, 78.7777, 28.7632



45.6023, 76.3966, 21.2952



48.7195, 77.5206, 43.2603



18.1353, 20.3557, 19.1175



19.5990, 37.8417, 6.2712



1.9952, 3.7293, 0.6147

Inverse Universe

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



55.2336, 35.4905, 98.5470



50.6289, 29.0385, 97.5443



59.6800, 38.4459, 68.7909



18.3893, 18.0924, 22.7729



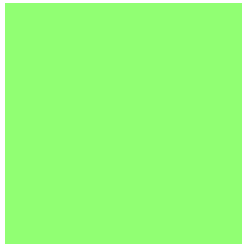
22.0592, 10.2824, 50.2566



2.2382, 1.0477, 4.8975

Previews

White Background



This preview shows how the XYZ color 50.5316, 78.7775, 28.7620 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 50.5316, 78.7775, 28.7620 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

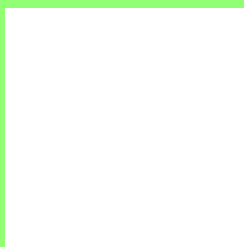
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.5316, 78.7775, 28.7620

Background



This preview shows how black text looks on a background with the XYZ color 50.5316, 78.7775, 28.7620.



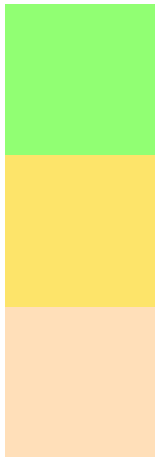
This preview shows how white text looks on a background with the XYZ color 50.5316, 78.7775,

28.7620.

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

50.5316, 78.7775, 28.7620

Protanopia

70.8529, 77.4101, 24.8430

Deuteranopia

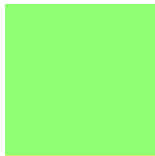
76.3846, 77.5381, 56.8394



Tritanopia

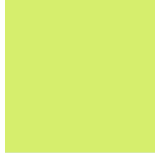
67.4469, 78.0724, 106.1224

Trichromacy



Original Color

50.5316, 78.7775, 28.7620



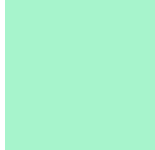
Protanomaly

61.0664, 76.5493, 26.0250



Deuteranomaly

64.0778, 76.4018, 44.6275



Tritanomaly

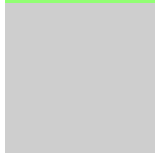
59.1861, 77.2765, 68.9232

Monochromacy



Original Color

50.5316, 78.7775, 28.7620



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

53.9656, 66.5188, 49.5303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5316, 78.7775, 28.7620 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(145, 255, 115)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 115)  
}
```

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(145, 255, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 115) }
```

Border

The CSS property to change the border of an element to XYZ 50.5316, 78.7775, 28.7620 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(145, 255, 115) }
```


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

```
.border{ border-color:rgb(145, 255, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 255, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 115);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5316, 78.7775, 28.7620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 115) }
```

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

```
.background{ background-color: rgb(145,  
255, 115) }
```

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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