

Converting Colors

XYZ(50.1811, 78.6042, 28.4168)

Have a look what the booklet for
XYZ(50.1811, 78.6042, 28.4168)
contains.

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Color

**XYZ(50.1250, 78.5745,
28.4441)**

Conversions

Conversions Part 1

Format	Color
Hex	8FFF72
RGB	143, 255, 114
RGB Percent	56%, 100%, 45%
CMY	0.4392, 0.0000, 0.5529
CMYK	0.44, 0.00, 0.55, 0.00
HSL	108°, 100%, 72%
HSV	108°, 55%, 100%
XYZ	50.1250, 78.5745, 28.4441
YIQ	205.4380, -21.4910, -67.5950

Conversions

Conversions Part 2

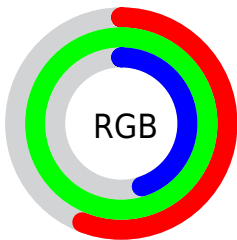
Format	Color
RYB	114, 255, 226
Decimal	9437042
CIELab	91.04, -57.42, 56.70
CIELCh	91, 80.700, 135.361
Yxy	78.5745, 0.3190, 0.5000
Android (android.graphics.Color)	4287627122 (0xFF8FFF72)
YUV	205.4380, -45.0789, -54.7581
Hunter-Lab	88.6423, -54.1866, 43.0242

Details

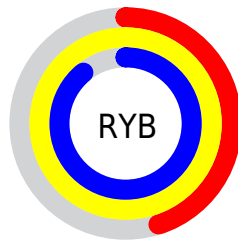
The XYZ color **50.1250, 78.5745, 28.4441** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **55.4327, 35.4247, 98.5238**, and the grayscale version is **58.5956, 61.6471, 67.1337**.

A 20% lighter version of the original color is **67.2786, 86.9411, 50.7715**, and **24.3491, 42.0977, 11.1173** is the 20% darker color. If you saturate the color by 10%, you get **45.6744, 76.4251, 21.6866**, and if you desaturate by 10%, it is **55.6140, 81.2125, 37.3640**.

Distribution



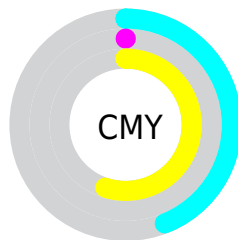
- Red (56%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (89%)



- Cyan (44%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1250, 78.5745, 28.4441 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 50.1250, 78.5745, 28.4441 by changing the saturation by 10% instead.


 50.1250, 78.5745,
28.4441


 50.1250, 78.5745,
28.4441


377.5985,
490.1157, 308.5614


 35.7309, 58.5460,
18.4187


 89.5508, 131.3597,
58.2243

 24.3956, 42.2478,
11.0785


 115.3132,
164.8852, 78.8162

 15.7537, 29.2954,
6.0048


 145.5958,
203.6785, 103.7674

 9.4397, 19.3044,
2.7792

180.7638,
248.1239, 133.4964

 5.0885, 11.8904,
0.9830

221.1828,
298.6060, 168.4218

 2.3346, 6.6691,
0.0000

267.2180,

 0.8123, 3.2560,

355.5091, 208.9620

0.0000

319.2348,
419.2175, 255.5357

0.0000, 1.2668,
0.0000

0.0000, 0.1153,
0.0000

50.1250, 78.5745,
28.4441

50.1250, 78.5745,
28.4441

45.6744, 76.4251,
21.6866

55.6140, 81.2125,
37.3640

42.1925, 74.7324,
16.9042

62.2024, 84.3670,
48.6052

39.6019, 73.4611,
13.8842

69.9478, 88.0644,
62.3160

37.8116, 72.5700,
12.3625

78.9030, 92.3292,
78.6311

■ 37.1991, 72.2619,
11.9873

■ 89.1179, 97.1842,
97.6757

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.



64.7752, 78.5745, 16.5509



50.1250, 78.5745, 28.4441



42.8216, 78.5745, 60.2101

Triad

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



50.1250, 78.5745, 28.4441



65.2105, 78.5745, 246.5609



119.2018, 78.5745, 59.1346

Complementary

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



50.1250, 78.5745, 28.4441



55.4327, 35.4247, 98.5238

Split Complementary

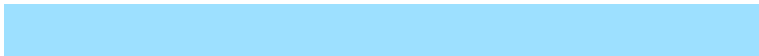
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



119.3767, 78.5745, 117.1671



50.1250, 78.5745, 28.4441



85.5522, 78.5745, 245.8195

Square

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



50.1250, 78.5745, 28.4441



50.3934, 78.5745, 192.8360



106.1811, 78.5745, 191.1202



105.7397, 78.5745, 27.9664

Rectangle

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



50.1250, 78.5745, 28.4441



42.0665, 78.5745, 96.4751



106.1811, 78.5745, 191.1202



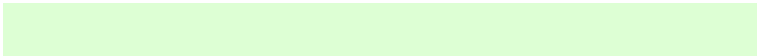
120.8877, 78.5745, 75.4904

Sweetspot

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



50.1253, 78.5747, 28.4453



77.2861, 91.5598, 75.6555



71.0545, 76.0290, 26.8508



16.1452, 19.4085, 15.4656



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.



50.1253, 78.5747, 28.4453



45.3971, 76.2908, 21.2856



48.5287, 77.4292, 42.9388



18.1205, 20.3480, 19.1168



19.5347, 37.8086, 6.2682



1.9869, 3.7251, 0.6143

Inverse Universe

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



55.4327, 35.4247, 98.5238



51.0666, 29.2641, 97.5648



59.5301, 38.2044, 68.5610



18.4053, 18.1007, 22.7737



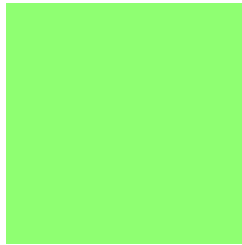
22.3650, 10.4401, 50.2710



2.2654, 1.0618, 4.8988

Previews

White Background



This preview shows how the XYZ color 50.1250, 78.5745, 28.4441 looks on a white background.

Color Contrast Check

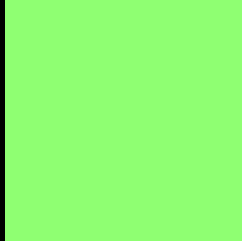
Large Text (above 18pt) WCAG AA × Fail

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 50.1250, 78.5745, 28.4441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

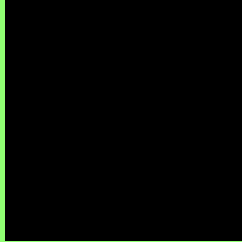
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1250, 78.5745, 28.4441

Background



This preview shows how black text looks on a background with the XYZ color 50.1250, 78.5745, 28.4441.



This preview shows how white text looks on a background with the XYZ color 50.1250, 78.5745,

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

50.1250, 78.5745, 28.4441

Protanopia

70.8012, 77.3894, 24.5706

Deuteranopia

76.3846, 77.5381, 56.8394



Tritanopia

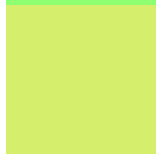
67.2149, 77.9528, 106.1115

Trichromacy



Original Color

50.1250, 78.5745, 28.4441



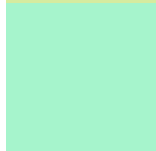
Protanomaly

60.7219, 76.3779, 25.7294



Deuteranomaly

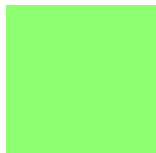
63.6979, 76.2160, 44.1548



Tritanomaly

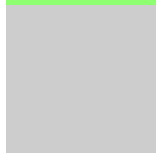
58.9757, 77.1680, 68.9133

Monochromacy



Original Color

50.1250, 78.5745, 28.4441



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.1255, 65.6990, 48.9109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1250, 78.5745, 28.4441 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(143, 255, 114)` looks like.

```
.text, #text, p{  
    color:rgb(143, 255, 114)  
}
```

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(143, 255, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 255, 114) }
```

Border

The CSS property to change the border of an element to XYZ 50.1250, 78.5745, 28.4441 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(143, 255, 114) }
```


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

```
.border{ border-color:rgb(143, 255, 114) }
```

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

Here you see how a box with a 4 pixel rgb(143, 255, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 255, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 255, 114);  
box-shadow:4px 4px 4px 4px rgb(143, 255,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1250, 78.5745, 28.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 255, 114) }
```

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

```
.background{ background-color: rgb(143,  
255, 114) }
```

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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