

Converting Colors

XYZ(50.5366, 78.6913, 32.7768)

Have a look what the booklet for
XYZ(50.5366, 78.6913, 32.7768)
contains.

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Color

**XYZ(50.6408, 78.7412,
32.9516)**

Conversions

Conversions Part 1

Format	Color
Hex	8DFF80
RGB	141, 255, 128
RGB Percent	55%, 100%, 50%
CMY	0.4471, 0.0000, 0.4980
CMYK	0.45, 0.00, 0.50, 0.00
HSL	114°, 100%, 75%
HSV	114°, 50%, 100%
XYZ	50.6408, 78.7412, 32.9516
YIQ	206.4360, -27.1770, -63.6650

Conversions

Conversions Part 2

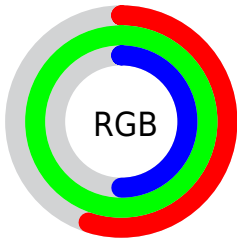
Format	Color
RYB	128, 255, 242
Decimal	9305984
CIELab	91.12, -56.37, 50.41
CIElCh	91, 75.619, 138.195
Yxy	78.7412, 0.3120, 0.4851
Android (android.graphics.Color)	4287496064 (0xFF8DFF80)
YUV	206.4360, -38.6689, -57.3874
Hunter-Lab	88.7362, -53.4204, 40.0984

Details

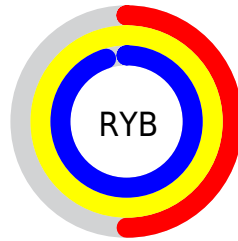
The XYZ color **50.6408, 78.7412, 32.9516** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **62.3885, 41.5370, 99.3369**, and the grayscale version is **59.1984, 62.2814, 67.8244**.

A 20% lighter version of the original color is **68.1267, 87.2183, 58.0439**, and **24.6296, 42.1898, 13.5020** is the 20% darker color. If you saturate the color by 10%, you get **45.6696, 76.3486, 25.0314**, and if you desaturate by 10%, it is **56.8388, 81.7175, 43.1328**.

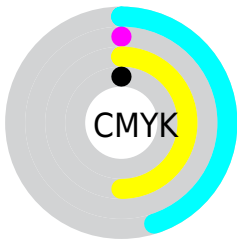
Distribution



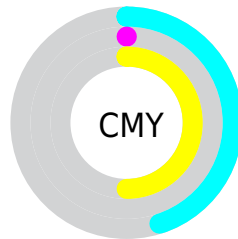
- Red (55%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (95%)



- Cyan (45%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6408, 78.7412, 32.9516 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 50.6408, 78.7412, 32.9516 by changing the saturation by 10% instead.

 50.6408, 78.7412,
32.9516


 50.6408, 78.7412,
32.9516


379.5773,
490.6804, 330.0569


 36.1427, 58.6831,
21.8186


 90.3097, 131.5945,
65.4151

 24.7150, 42.3580,
13.5266

 116.2113,
165.1584, 87.5826

 15.9925, 29.3817,
7.6572


 146.6447,
203.9930, 114.2654

 9.6096, 19.3698,
3.7918

181.9754,
248.4827, 145.8820

 5.2012, 11.9378,
1.5118

222.5686,
299.0119, 182.8509

 2.4018, 6.7013,
0.2267

268.7898,

 0.8460, 3.2760,

355.9650, 225.5906

0.0000

321.0042,
419.7263, 274.5198

0.0000, 1.2775,
0.0000

0.0000, 0.1237,
0.0000

50.6408, 78.7412,
32.9516

50.6408, 78.7412,
32.9516

45.6696, 76.3486,
25.0314

56.8388, 81.7175,
43.1328

41.8419, 74.5006,
19.1966

64.3371, 85.3121,
55.7256

39.0659, 73.1539,
15.2516

73.2045, 89.5573,
70.8719

37.2344, 72.2586,
12.9623

83.5048, 94.4833,
88.7014

■ 36.2029, 71.7480, 95.0500, 100.0000,
11.9551 108.9000

■ 36.1885, 71.7409,
11.9401

Harmonies

Analogous

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



63.9363, 78.7412, 19.5586



50.6408, 78.7412, 32.9516



44.3088, 78.7412, 65.9446

Triad

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



50.6408, 78.7412, 32.9516



67.5673, 78.7412, 235.6559



115.4920, 78.7412, 56.8771

Complementary

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



50.6408, 78.7412, 32.9516



62.3885, 41.5370, 99.3369

Split Complementary

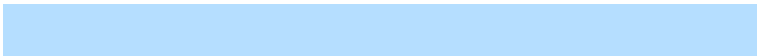
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.9144, 78.7412, 109.1365



50.6408, 78.7412, 32.9516



86.9204, 78.7412, 229.7447

Square

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



50.6408, 78.7412, 32.9516



52.9075, 78.7412, 190.6344



105.7342, 78.7412, 176.8414



102.1271, 78.7412, 28.7559

Rectangle

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



50.6408, 78.7412, 32.9516



44.0257, 78.7412, 101.6400



105.7342, 78.7412, 176.8414



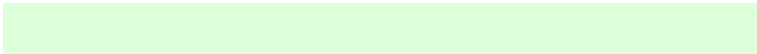
117.4568, 78.7412, 71.5838

Sweetspot

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



50.6412, 78.7414, 32.9528



77.9687, 91.8363, 79.0921



76.3507, 85.2470, 32.8535



16.2321, 19.4384, 16.1401



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

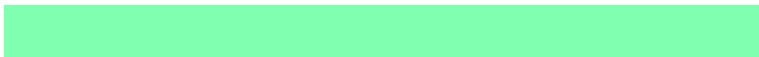
The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.6412, 78.7414, 32.9528



45.5832, 76.3070, 24.8966



52.5671, 79.2713, 53.9611



17.9440, 20.2570, 19.1086



18.9653, 37.5150, 6.2416



1.9010, 3.6808, 0.6103

Inverse Universe

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



62.3885, 41.5370, 99.3369



58.5133, 35.1329, 98.3051



60.1389, 41.1710, 63.3724



18.5987, 18.2004, 22.7827



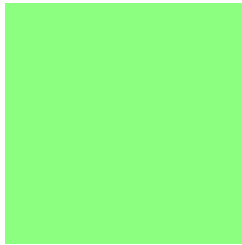
26.3739, 12.5067, 50.4586



2.6185, 1.2438, 4.9153

Previews

White Background



This preview shows how the XYZ color 50.6408, 78.7412, 32.9516 looks on a white background.

Color Contrast Check

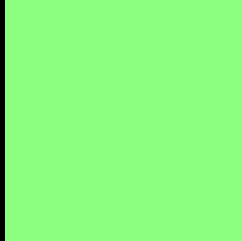
Large Text (above 18pt) WCAG AA × Fail

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 50.6408, 78.7412, 32.9516 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 50.6408, 78.7412, 32.9516

Background



This preview shows how black text looks on a background with the XYZ color 50.6408, 78.7412, 32.9516.



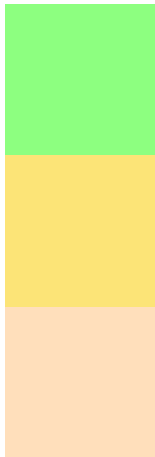
This preview shows how white text looks on a background with the XYZ color 50.6408, 78.7412,

32.9516.

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

50.6408, 78.7412, 32.9516

Protanopia

71.2181, 77.5142, 28.6609

Deuteranopia

76.5973, 77.6232, 57.9594



Tritanopia

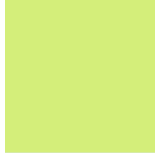
67.2766, 78.4180, 106.1981

Trichromacy



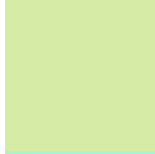
Original Color

50.6408, 78.7412, 32.9516



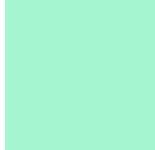
Protanomaly

61.2388, 76.5513, 29.9606



Deuteranomaly

64.3228, 76.4660, 47.4456



Tritanomaly

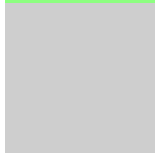
59.6781, 77.9076, 72.2139

Monochromacy



Original Color

50.6408, 78.7412, 32.9516



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

53.9829, 66.4707, 52.1044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6408, 78.7412, 32.9516 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(141, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(141, 255, 128)  
}
```

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(141, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 255, 128) }
```

Border

The CSS property to change the border of an element to XYZ 50.6408, 78.7412, 32.9516 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(141, 255, 128) }
```


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

```
.border{ border-color:rgb(141, 255, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(141, 255,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6408, 78.7412, 32.9516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 255, 128) }
```

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

```
.background{ background-color: rgb(141,  
255, 128) }
```

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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