

Converting Colors

XYZ(52.2020, 85.9557, 27.0611)

Have a look what the booklet for
XYZ(52.2020, 85.9557, 27.0611)
contains.

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Color

**XYZ(47.9316, 77.5060,
25.5306)**

Conversions

Conversions Part 1

Format	Color
Hex	85FF68
RGB	133, 255, 104
RGB Percent	52%, 100%, 41%
CMY	0.4784, 0.0000, 0.5921
CMYK	0.48, 0.00, 0.59, 0.00
HSL	108°, 100%, 70%
HSV	108°, 59%, 100%
XYZ	47.9316, 77.5060, 25.5306
YIQ	201.3080, -24.2410, -72.8250

Conversions

Conversions Part 2

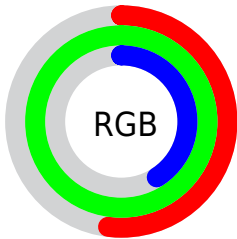
Format	Color
RYB	104, 255, 226
Decimal	8781672
CIELab	90.55, -61.30, 60.39
CIELCh	91, 86.048, 135.431
Yxy	77.5060, 0.3175, 0.5134
Android (android.graphics.Color)	4286971752 (0xFF85FF68)
YUV	201.3080, -47.9728, -59.9061
Hunter-Lab	88.0375, -56.8821, 44.4323

Details

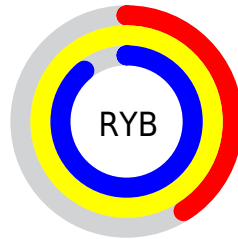
The XYZ color **47.9316, 77.5060, 25.5306** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **54.3659, 33.2909, 98.1681**, and the grayscale version is **56.0079, 58.9247, 64.1690**.

A 20% lighter version of the original color is **64.0103, 85.3607, 45.9034**, and **23.0051, 41.4398, 9.4755** is the 20% darker color. If you saturate the color by 10%, you get **43.8861, 75.5482, 19.5721**, and if you desaturate by 10%, it is **53.0072, 79.9496, 33.5832**.

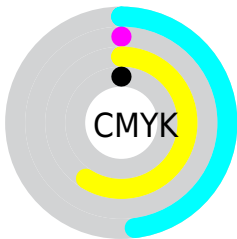
Distribution



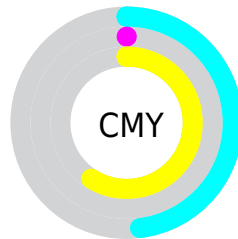
- Red (52%)
- Green (100%)
- Blue (41%)



- Red (41%)
- Yellow (100%)
- Blue (89%)



- Cyan (48%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9316, 77.5060, 25.5306 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 47.9316, 77.5060, 25.5306 by changing the saturation by 10% instead.


 47.9316, 77.5060,
25.5306


 47.9316, 77.5060,
25.5306


369.1080,
486.4875, 294.0020


 33.9837, 57.6683,
16.2502


 86.3129, 129.8535,
53.4915


 23.0439, 41.5420,
9.5451


 111.4770,
163.1321, 73.0090

 14.7468, 28.7428,
4.9968


 141.1106,
201.6597, 96.7760

 8.7271, 18.8864,
2.1867

 175.5790,
245.8208, 125.2110

 4.6193, 11.5882,
0.6667

215.2476,
295.9997, 158.7326

 2.0581, 6.4639,
0.0000

260.4817,

 0.6663, 3.1292,

352.5809, 197.7592

0.0000

311.6468,
415.9487, 242.7095

0.0000, 1.1995,
0.0000

0.0000, 0.0613,
0.0000

47.9316, 77.5060,
25.5306

47.9316, 77.5060,
25.5306

43.8861, 75.5482,
19.5721

53.0072, 79.9496,
33.5832

40.7958, 74.0418,
15.5100

59.1785, 82.9092,
43.8963

38.5763, 72.9483,
13.1150

66.5064, 86.4127,
56.6240

37.1156, 72.2176,
12.0408

75.0470, 90.4862,
71.9055

■ 37.0251, 72.1722,
11.9792

■ 84.8527, 95.1537,
89.8697

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.



63.1900, 77.5060, 13.9263



47.9316, 77.5060, 25.5306



40.4206, 77.5060, 57.9393

Triad

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



47.9316, 77.5060, 25.5306



63.7352, 77.5060, 259.0478



121.2216, 77.5060, 56.6073

Complementary

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



47.9316, 77.5060, 25.5306



54.3659, 33.2909, 98.1681

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.



121.4467, 77.5060, 117.8708



47.9316, 77.5060, 25.5306



85.2427, 77.5060, 258.0728

Square

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



47.9316, 77.5060, 25.5306



48.2634, 77.5060, 200.1934



107.2768, 77.5060, 197.9558



106.7114, 77.5060, 24.9658

Rectangle

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



47.9316, 77.5060, 25.5306



39.6578, 77.5060, 96.1200



107.2768, 77.5060, 197.9558



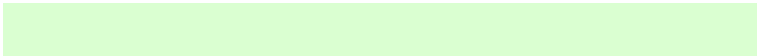
123.0521, 77.5060, 73.6569

Sweetspot

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



47.9319, 77.5062, 25.5318



76.1689, 91.0206, 73.9407



70.6103, 76.0024, 24.0463



15.7343, 19.2111, 14.7963



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.



47.9319, 77.5062, 25.5318



43.2664, 75.2471, 18.7135



46.9185, 76.6429, 40.8815



18.0971, 20.3359, 19.1157



19.4385, 37.7590, 6.2637



1.9744, 3.7186, 0.6137

Inverse Universe

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



54.3659, 33.2909, 98.1681



50.0810, 27.3628, 97.2497



57.7864, 35.7998, 64.6422



18.4307, 18.1138, 22.7749



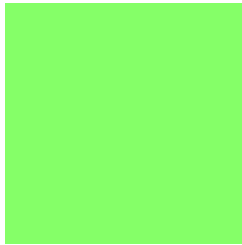
22.8578, 10.6941, 50.2940



2.3093, 1.0844, 4.9009

Previews

White Background



This preview shows how the XYZ color 47.9316, 77.5060, 25.5306 looks on a white background.

Color Contrast Check

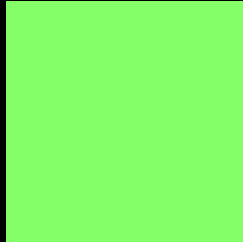
Large Text (above 18pt) WCAG AA × Fail

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 47.9316, 77.5060, 25.5306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

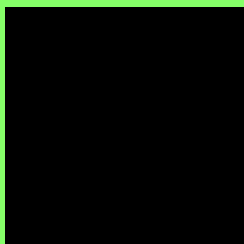
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

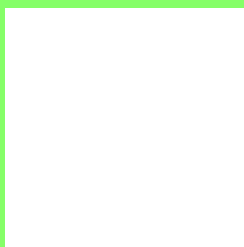
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.9316, 77.5060, 25.5306

Background



This preview shows how black text looks on a background with the XYZ color 47.9316, 77.5060, 25.5306.



This preview shows how white text looks on a background with the XYZ color 47.9316, 77.5060,

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

47.9316, 77.5060, 25.5306

Protanopia

69.6795, 76.4598, 21.9122

Deuteranopia

75.2331, 76.2276, 53.3960



Tritanopia

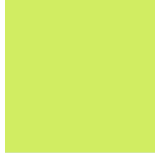
65.4191, 77.0270, 106.0275

Trichromacy



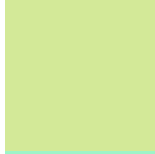
Original Color

47.9316, 77.5060, 25.5306



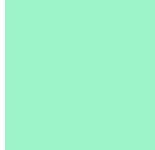
Protanomaly

58.7833, 75.0055, 22.9346



Deuteranomaly

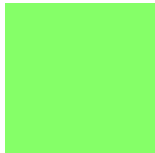
61.6704, 74.3937, 40.8148



Tritanomaly

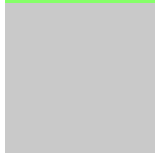
56.6806, 76.0396, 66.3333

Monochromacy



Original Color

47.9316, 77.5060, 25.5306



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

50.6439, 63.6962, 45.7018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9316, 77.5060, 25.5306 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(133, 255, 104)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 104)  
}
```

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(133, 255, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 104) }
```

Border

The CSS property to change the border of an element to XYZ 47.9316, 77.5060, 25.5306 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(133, 255, 104) }
```


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

```
.border{ border-color:rgb(133, 255, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 255, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 255, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 255, 104);  
box-shadow:4px 4px 4px 4px rgb(133, 255,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9316, 77.5060, 25.5306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 255, 104) }
```

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

```
.background{ background-color: rgb(133,  
255, 104) }
```

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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