

Converting Colors

XYZ(49.8098, 80.3094, 29.8653)

Have a look what the booklet for
XYZ(49.8098, 80.3094, 29.8653)
contains.

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Color

**XYZ(48.5457, 77.7335,
29.5850)**

Conversions

Conversions Part 1

Format	Color
Hex	84FF76
RGB	132, 255, 118
RGB Percent	52%, 100%, 46%
CMY	0.4824, 0.0000, 0.5372
CMYK	0.48, 0.00, 0.54, 0.00
HSL	114°, 100%, 73%
HSV	114°, 54%, 100%
XYZ	48.5457, 77.7335, 29.5850
YIQ	202.6050, -29.3310, -68.6830

Conversions

Conversions Part 2

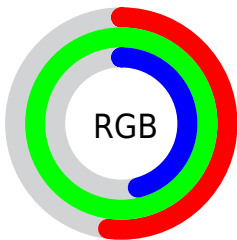
Format	Color
RYB	118, 255, 241
Decimal	8716150
CIELab	90.66, -60.06, 54.35
CIELCh	91, 81.002, 137.854
Yxy	77.7335, 0.3115, 0.4987
Android (android.graphics.Color)	4286906230 (0xFF84FF76)
YUV	202.6050, -41.7103, -61.9206
Hunter-Lab	88.1666, -56.0071, 41.8214

Details

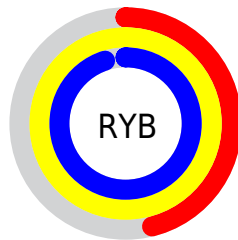
The XYZ color **48.5457, 77.7335, 29.5850** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **60.8057, 38.8792, 98.9074**, and the grayscale version is **56.7832, 59.7404, 65.0573**.

A 20% lighter version of the original color is **65.0411, 85.7436, 52.6573**, and **23.3459, 41.5679, 11.6434** is the 20% darker color. If you saturate the color by 10%, you get **44.0336, 75.5595, 22.5047**, and if you desaturate by 10%, it is **54.2537, 80.4767, 38.8613**.

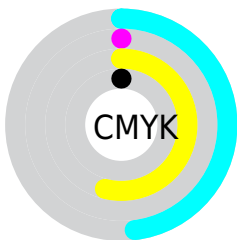
Distribution



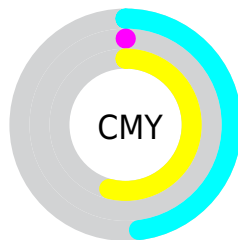
- Red (52%)
- Green (100%)
- Blue (46%)



- Red (46%)
- Yellow (100%)
- Blue (95%)



- Cyan (48%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5457, 77.7335, 29.5850 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 48.5457, 77.7335, 29.5850 by changing the saturation by 10% instead.


 48.5457, 77.7335,
29.5850


 48.5457, 77.7335,
29.5850


371.4978,
487.2613, 314.1121


 34.4723, 57.8551,
19.2744


 87.2211, 130.1744,
60.0585

 23.4213, 41.6922,
11.6899


 112.5539,
163.5056, 81.0585

 15.0273, 28.8603,
6.4129


 142.3704,
202.0899, 106.4587

 8.9250, 18.9752,
3.0249

177.0361,
246.3117, 136.6777

 4.7490, 11.6523,
1.1074

216.9164,
296.5553, 172.1340

 2.1340, 6.5074,
0.0000

262.3765,

 0.7076, 3.1560,

353.2052, 213.2461

0.0000

313.7818,
416.6457, 260.4326

0.0000, 1.2137,
0.0000

0.0000, 0.0729,
0.0000

48.5457, 77.7335,
29.5850

48.5457, 77.7335,
29.5850

44.0336, 75.5595,
22.5047

54.2537, 80.4767,
38.8613

40.6304, 73.9138,
17.4361


61.2337, 83.8249,
50.4905


38.2392, 72.7508,
14.1711

69.5570, 87.8116,
64.6194

36.7451, 72.0170,
12.4544

79.2890, 92.4677,
81.3819

 36.1874, 71.7403,
11.9400

 90.4910, 97.8221,
100.9022

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.



62.5451, 77.7335, 16.5763



48.5457, 77.7335, 29.5850



41.9030, 77.7335, 63.2193

Triad

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



48.5457, 77.7335, 29.5850



65.9672, 77.7335, 247.8249



117.6387, 77.7335, 54.7701

Complementary

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



48.5457, 77.7335, 29.5850



60.8057, 38.8792, 98.9074

Split Complementary

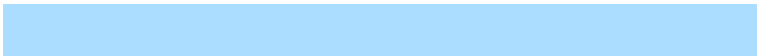
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



119.0165, 77.7335, 110.4200



48.5457, 77.7335, 29.5850



86.5152, 77.7335, 241.9719

Square

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



48.5457, 77.7335, 29.5850



50.6538, 77.7335, 197.5968



106.7863, 77.7335, 184.0588



103.3095, 77.7335, 25.8467

Rectangle

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



48.5457, 77.7335, 29.5850



41.5559, 77.7335, 100.8604



106.7863, 77.7335, 184.0588



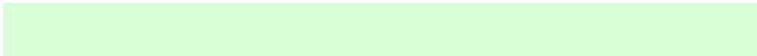
119.7158, 77.7335, 70.2565

Sweetspot

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



48.5460, 77.7337, 29.5862



76.9469, 91.3476, 77.3286



75.3818, 84.3111, 29.4414



16.0303, 19.3419, 15.7929



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

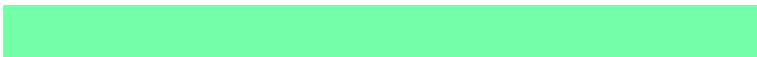
The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.5460, 77.7337, 29.5862



43.9252, 75.5071, 22.3387



50.5367, 78.2938, 50.7368



17.9437, 20.2569, 19.1086



18.9646, 37.5147, 6.2415



1.9009, 3.6807, 0.6103

Inverse Universe

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



60.8057, 38.8792, 98.9074



57.2294, 33.0734, 97.9752



58.4371, 38.5051, 60.5308



18.5990, 18.2005, 22.7827



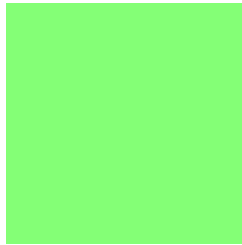
26.3813, 12.5105, 50.4589



2.6192, 1.2442, 4.9154

Previews

White Background



This preview shows how the XYZ color 48.5457, 77.7335, 29.5850 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 48.5457, 77.7335, 29.5850 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 48.5457, 77.7335, 29.5850

Background



This preview shows how black text looks on a background with the XYZ color 48.5457, 77.7335, 29.5850.



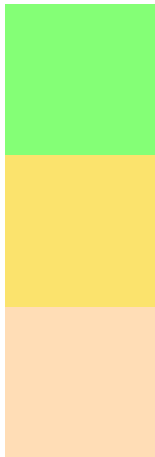
This preview shows how white text looks on a background with the XYZ color 48.5457, 77.7335,

29.5850.

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

48.5457, 77.7335, 29.5850

Protanopia

70.0131, 76.5515, 25.5538

Deuteranopia

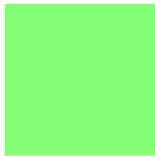
75.5399, 76.3503, 55.0117



Tritanopia

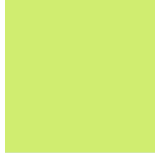
65.4191, 77.0270, 106.0275

Trichromacy



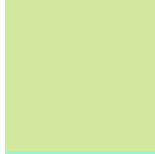
Original Color

48.5457, 77.7335, 29.5850



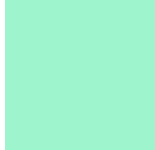
Protanomaly

59.2212, 75.1481, 26.7130



Deuteranomaly

61.9753, 74.4827, 43.9110



Tritanomaly

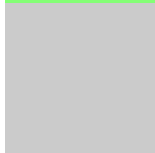
57.2748, 76.2772, 69.4619

Monochromacy



Original Color

48.5457, 77.7335, 29.5850



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

51.6991, 64.5682, 48.7678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5457, 77.7335, 29.5850 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(132, 255, 118)` looks like.

```
.text, #text, p{  
    color:rgb(132, 255, 118)  
}
```

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(132, 255, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 255, 118) }
```

Border

The CSS property to change the border of an element to XYZ 48.5457, 77.7335, 29.5850 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(132, 255, 118) }
```


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

```
.border{ border-color:rgb(132, 255, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 255, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 255, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 255, 118);  
box-shadow:4px 4px 4px 4px rgb(132, 255,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5457, 77.7335, 29.5850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 255, 118) }
```

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

```
.background{ background-color: rgb(132,  
255, 118) }
```

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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