

Converting Colors

XYZ(48.8393, 77.7798, 34.3467)

Have a look what the booklet for
XYZ(48.8393, 77.7798, 34.3467)
contains.

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Color

**XYZ(48.8269, 77.7751,
34.2685)**

Conversions

Conversions Part 1

Format	Color
Hex	80FF84
RGB	128, 255, 132
RGB Percent	50%, 100%, 52%
CMY	0.4980, 0.0000, 0.4823
CMYK	0.50, 0.00, 0.48, 0.00
HSL	122°, 100%, 75%
HSV	122°, 50%, 100%
XYZ	48.8269, 77.7751, 34.2685
YIQ	203.0050, -36.2090, -65.1770

Conversions

Conversions Part 2

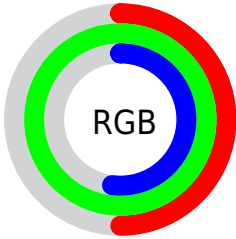
Format	Color
RYB	128, 251, 255
Decimal	8454020
CIELab	90.68, -59.37, 47.88
CIELCh	91, 76.273, 141.113
Yxy	77.7751, 0.3035, 0.4835
Android (android.graphics.Color)	4286644100 (0xFF80FF84)
YUV	203.0050, -35.0055, -65.7794
Hunter-Lab	88.1902, -55.5055, 38.6945

Details

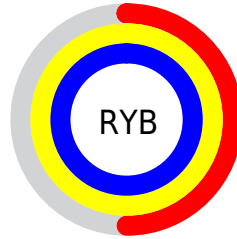
The XYZ color **48.8269, 77.7751, 34.2685** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **66.3714, 43.6634, 96.1941**, and the grayscale version is **56.9969, 59.9652, 65.3021**.

A 20% lighter version of the original color is **65.4687, 85.7992, 60.1241**, and **23.5575, 41.6208, 14.1892** is the 20% darker color. If you saturate the color by 10%, you get **43.9665, 75.4421, 26.2393**, and if you desaturate by 10%, it is **55.0518, 80.7652, 44.4518**.

Distribution



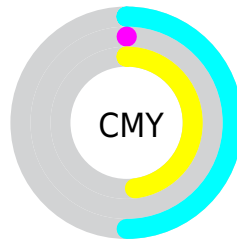
- Red (50%)
- Green (100%)
- Blue (52%)



- Red (50%)
- Yellow (98%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8269, 77.7751, 34.2685 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 48.8269, 77.7751, 34.2685 by changing the saturation by 10% instead.


 48.8269, 77.7751,
34.2685


 48.8269, 77.7751,
34.2685


372.5887,
487.4027, 336.1333


 34.6962, 57.8892,
22.8209


 87.6366, 130.2330,
67.4897

 23.5943, 41.7196,
14.2573


 113.0462,
163.5739, 90.1003

 15.1561, 28.8818,
8.1590


 142.9462,
202.1686, 117.2691

 9.0160, 18.9914,
4.1076

177.7019,
246.4014, 149.4144

 4.8088, 11.6641,
1.6846

217.6786,
296.6569, 186.9550

 2.1691, 6.5154,
0.3501

263.2418,

 0.7264, 3.1609,

353.3193, 230.3093

0.0000

314.7567,
416.7731, 279.8959

0.0000, 1.2163,
0.0000

0.0000, 0.0750,
0.0000

48.8269, 77.7751,
34.2685

48.8269, 77.7751,
34.2685

43.9665, 75.4421,
26.2393

55.0518, 80.7652,
44.4518

40.3670, 73.7163,
20.2062

62.7318, 84.4563,
56.9248

37.9122, 72.5415,
15.9954

71.9511, 88.8890,
71.8164

36.4636, 71.8507,
13.4017

82.7873, 94.1007,
89.2448

■ 35.8130, 71.5419, 95.0500, 100.0000,
12.1662 108.9000

■ 35.8040, 71.5376,
12.1519

Harmonies

Analogous

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



61.4482, 77.7751, 19.5202



48.8269, 77.7751, 34.2685



43.2091, 77.7751, 69.4282

Triad

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



48.8269, 77.7751, 34.2685



68.3841, 77.7751, 237.2442



113.8243, 77.7751, 52.1213

Complementary

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



48.8269, 77.7751, 34.2685



66.3714, 43.6634, 96.1941

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.



116.5496, 77.7751, 102.0250



48.8269, 77.7751, 34.2685



87.9811, 77.7751, 225.8896

Square

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



48.8269, 77.7751, 34.2685



53.1502, 77.7751, 196.0084



106.4131, 77.7751, 169.5372



99.5055, 77.7751, 26.3008

Rectangle

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



48.8269, 77.7751, 34.2685



43.3827, 77.7751, 106.6561



106.4131, 77.7751, 169.5372



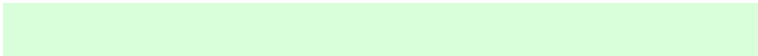
116.2138, 77.7751, 65.9577

Sweetspot

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



48.8273, 77.7753, 34.2697



76.9501, 91.2931, 79.8648



80.1219, 93.9393, 34.3315



15.9910, 19.3099, 16.3227



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

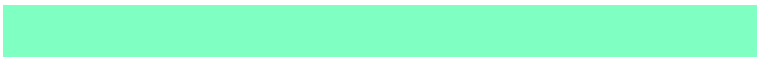
The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.8273, 77.7753, 34.2697



43.8840, 75.4026, 26.1022



54.3568, 79.9871, 63.3878



17.7948, 20.1774, 19.2223



18.7184, 37.3840, 6.4024



1.8303, 3.6431, 0.6644

Inverse Universe

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



66.3714, 43.6634, 96.1941



63.2746, 37.6760, 94.5258



58.1863, 40.3893, 53.0919



18.7665, 18.2899, 22.6534



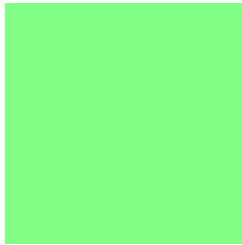
30.3292, 14.6210, 47.2455



2.9605, 1.4266, 4.6395

Previews

White Background



This preview shows how the XYZ color 48.8269, 77.7751, 34.2685 looks on a white background.

Color Contrast Check

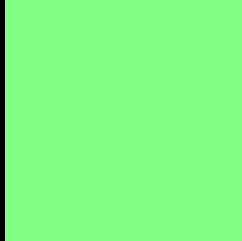
Large Text (above 18pt) WCAG AA × Fail

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 48.8269, 77.7751, 34.2685 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 48.8269, 77.7751, 34.2685

Background



This preview shows how black text looks on a background with the XYZ color 48.8269, 77.7751, 34.2685.

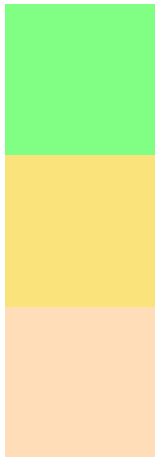


This preview shows how white text looks on a background with the XYZ color 48.8269, 77.7751,

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

48.8269, 77.7751, 34.2685

Protanopia

70.4063, 76.6673, 29.4998

Deuteranopia

75.7482, 76.4336, 56.1082



Tritanopia

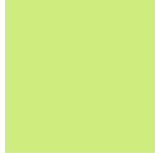
65.2021, 76.9151, 106.0173

Trichromacy



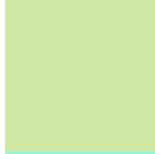
Original Color

48.8269, 77.7751, 34.2685



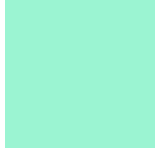
Protanomaly

59.5037, 75.1965, 31.1169



Deuteranomaly

62.2249, 74.5497, 46.7072



Tritanomaly

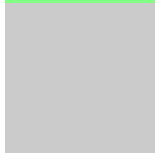
57.5011, 76.3231, 72.6740

Monochromacy



Original Color

48.8269, 77.7751, 34.2685



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

51.9616, 64.6470, 51.3344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8269, 77.7751, 34.2685 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(128, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 132)  
}
```

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(128, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 132) }
```

Border

The CSS property to change the border of an element to XYZ 48.8269, 77.7751, 34.2685 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(128, 255, 132) }
```


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

```
.border{ border-color:rgb(128, 255, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 255, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8269, 77.7751, 34.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 132) }
```

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

```
.background{ background-color: rgb(128,  
255, 132) }
```

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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