

Converting Colors

XYZ(46.9623, 77.0719, 22.5237)

Have a look what the booklet for
XYZ(46.9623, 77.0719, 22.5237)
contains.

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Color

**XYZ(46.8977, 77.0385,
22.5234)**

Conversions

Conversions Part 1

Format	Color
Hex	82FF5C
RGB	130, 255, 92
RGB Percent	51%, 100%, 36%
CMY	0.4902, 0.0000, 0.6392
CMYK	0.49, 0.00, 0.64, 0.00
HSL	106°, 100%, 68%
HSV	106°, 64%, 100%
XYZ	46.8977, 77.0385, 22.5234
YIQ	199.0430, -22.1770, -77.1930

Conversions

Conversions Part 2

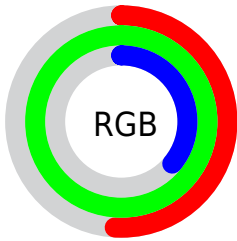
Format	Color
RYB	92, 255, 217
Decimal	8585052
CIELab	90.34, -63.26, 65.06
CIElCh	90, 90.745, 134.195
Yxy	77.0385, 0.3202, 0.5260
Android (android.graphics.Color)	4286775132 (0xFF82FF5C)
YUV	199.0430, -52.7722, -60.5507
Hunter-Lab	87.7716, -58.2250, 46.2255

Details

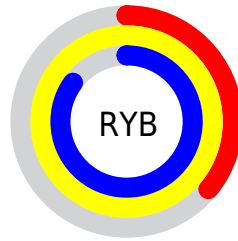
The XYZ color **46.8977, 77.0385, 22.5234** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **50.4943, 29.6277, 97.6651**, and the grayscale version is **54.6351, 57.4804, 62.5961**.

A 20% lighter version of the original color is **62.5912, 84.7345, 41.0735**, and **22.3806, 41.1501, 7.9915** is the 20% darker color. If you saturate the color by 10%, you get **43.2442, 75.2629, 17.4807**, and if you desaturate by 10%, it is **51.4968, 79.2583, 29.5700**.

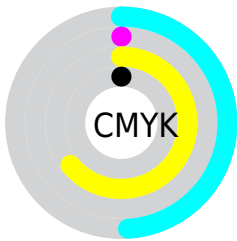
Distribution



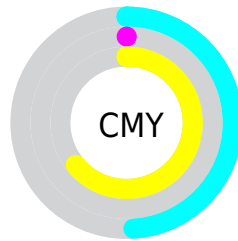
- Red (51%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (85%)



- Cyan (49%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8977, 77.0385, 22.5234 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 46.8977, 77.0385, 22.5234 by changing the saturation by 10% instead.


 46.8977, 77.0385,
22.5234

 46.8977, 77.0385,
22.5234


365.0618,
484.8953, 278.3097

 33.1624, 57.2845,
14.0400


 84.7806, 129.1938,
48.5228


 22.4107, 41.2337,
8.0094


 109.6589,
162.3639, 66.8759

 14.2773, 28.5017,
4.0131


 138.9822,
200.7748, 89.3559

 8.3968, 18.7042,
1.6325

 173.1159,
244.8109, 116.3815

 4.4038, 11.4567,
0.3139

212.4253,
294.8566, 148.3711

 1.9330, 6.3749,
0.0000

257.2759,

 0.5959, 3.0744,

351.2963, 185.7433

0.0000

308.0329,
414.5144, 228.9167

■ 0.0000, 1.1707,
0.0000

■ 0.0000, 0.0376,
0.0000

■ 46.8977, 77.0385,
22.5234

■ 46.8977, 77.0385,
22.5234

■ 43.2442, 75.2629,
17.4807

■ 51.4968, 79.2583,
29.5700

■ 40.4638, 73.8986,
14.2295

■ 57.1045, 81.9507,
38.7970

■ 38.4729, 72.9082,
12.5160

■ 63.7790, 85.1424,
50.3657

■ 37.5900, 72.4634,
12.0056

■ 71.5735, 88.8576,
64.4209

■ 80.5378, 93.1190,
81.0961

■ 90.7183, 97.9480,
100.5149

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.



63.0674, 77.0385, 11.8061



46.8977, 77.0385, 22.5234



38.8426, 77.0385, 54.3268

Triad

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



46.8977, 77.0385, 22.5234



62.0053, 77.0385, 269.8554



123.9940, 77.0385, 56.8959

Complementary

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



46.8977, 77.0385, 22.5234



50.4943, 29.6277, 97.6651

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.



123.5453, 77.0385, 122.5825



46.8977, 77.0385, 22.5234



84.4137, 77.0385, 271.8335

Square

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



46.8977, 77.0385, 22.5234



46.2588, 77.0385, 204.1085



107.9159, 77.0385, 208.6168



109.0385, 77.0385, 23.5688

Rectangle

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



46.8977, 77.0385, 22.5234



37.8502, 77.0385, 93.3273



107.9159, 77.0385, 208.6168



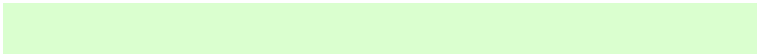
125.7230, 77.0385, 75.0962

Sweetspot

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



46.8980, 77.0387, 22.5246



75.8343, 90.8844, 72.2890



67.9766, 71.6420, 20.3719



15.6940, 19.1973, 14.4769



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.



46.8980, 77.0387, 22.5246



42.2982, 74.8004, 16.2988



44.5805, 75.5581, 35.3303



18.1678, 20.3724, 19.1191



19.7492, 37.9192, 6.2782



2.0141, 3.7390, 0.6156

Inverse Universe

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



50.4943, 29.6277, 97.6651



45.9555, 23.9009, 96.7989



56.8926, 33.6452, 65.4757



18.3544, 18.0744, 22.7713



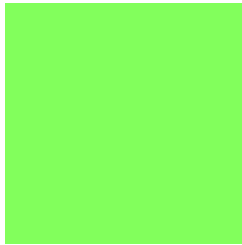
21.4047, 9.9450, 50.2260



2.1796, 1.0175, 4.8948

Previews

White Background



This preview shows how the XYZ color 46.8977, 77.0385, 22.5234 looks on a white background.

Color Contrast Check

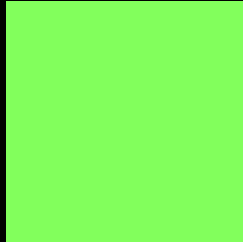
Large Text (above 18pt) WCAG AA × Fail

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 46.8977, 77.0385, 22.5234 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

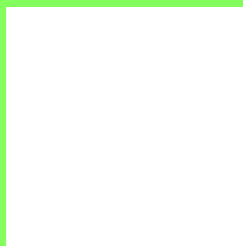
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8977, 77.0385, 22.5234

Background



This preview shows how black text looks on a background with the XYZ color 46.8977, 77.0385, 22.5234.



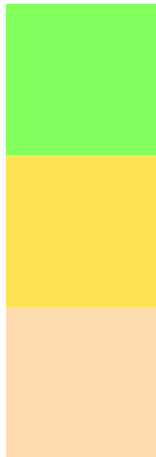
This preview shows how white text looks on a background with the XYZ color 46.8977, 77.0385,

22.5234.

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

46.8977, 77.0385, 22.5234

Protanopia

68.9415, 75.7283, 19.3709

Deuteranopia

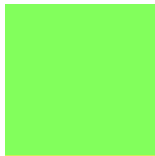
74.6697, 75.5810, 51.7274



Tritanopia

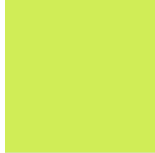
64.4826, 76.1132, 105.9005

Trichromacy



Original Color

46.8977, 77.0385, 22.5234



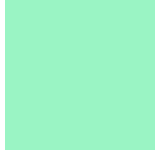
Protanomaly

58.0169, 74.6664, 20.3711



Deuteranomaly

60.8281, 74.0238, 37.8701



Tritanomaly

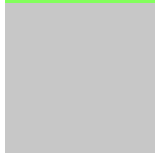
55.6409, 75.5569, 63.8759

Monochromacy



Original Color

46.8977, 77.0385, 22.5234



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

49.1322, 62.1998, 42.6739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8977, 77.0385, 22.5234 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(130, 255, 92)` looks like.

```
.text, #text, p{  
    color:rgb(130, 255, 92)  
}
```

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(130, 255, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 92) }
```

Border

The CSS property to change the border of an element to XYZ 46.8977, 77.0385, 22.5234 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(130, 255, 92) }
```


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

```
.border{ border-color:rgb(130, 255, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 255, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255, 92);  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8977, 77.0385, 22.5234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 92) }
```

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

```
.background{ background-color: rgb(130,  
255, 92) }
```

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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