

Converting Colors

XYZ(44.9299, 76.0840, 19.7243)

Have a look what the booklet for
XYZ(44.9299, 76.0840, 19.7243)
contains.

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Color

**XYZ(44.9170, 76.0776,
19.7142)**

Conversions

Conversions Part 1

Format	Color
Hex	78FF4F
RGB	120, 255, 79
RGB Percent	47%, 100%, 31%
CMY	0.5294, 0.0000, 0.6902
CMYK	0.53, 0.00, 0.69, 0.00
HSL	106°, 100%, 65%
HSV	106°, 69%, 100%
XYZ	44.9170, 76.0776, 19.7142
YIQ	194.5710, -23.9640, -83.3560

Conversions

Conversions Part 2

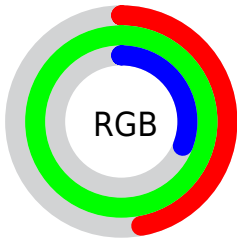
Format	Color
RYB	79, 255, 214
Decimal	7929679
CIELab	89.90, -66.99, 69.43
CIELCh	90, 96.479, 133.973
Yxy	76.0776, 0.3192, 0.5407
Android (android.graphics.Color)	4286119759 (0xFF78FF4F)
YUV	194.5710, -56.9765, -65.3988
Hunter-Lab	87.2225, -60.7171, 47.6549

Details

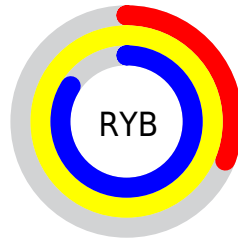
The XYZ color **44.9170, 76.0776, 19.7142** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed chartreuse. A complement of this color would be **48.5798, 27.1099, 97.2800**, and the grayscale version is **51.9549, 54.6606, 59.5254**.

A 20% lighter version of the original color is **59.4953, 83.2427, 36.2243**, and **21.1852, 40.5609, 6.7125** is the 20% darker color. If you saturate the color by 10%, you get **41.7186, 74.5162, 15.6138**, and if you desaturate by 10%, it is **49.0257, 78.0671, 25.7164**.

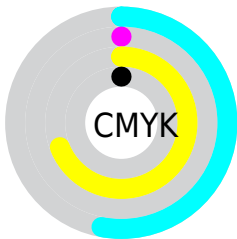
Distribution



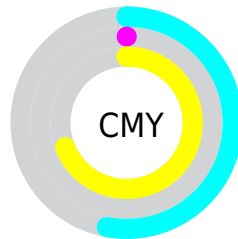
- Red (47%)
- Green (100%)
- Blue (31%)



- Red (31%)
- Yellow (100%)
- Blue (84%)



- Cyan (53%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.9170, 76.0776, 19.7142 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 44.9170, 76.0776, 19.7142 by changing the saturation by 10% instead.


 44.9170, 76.0776,
19.7142


 44.9170, 76.0776,
19.7142


357.2267,
481.6133, 262.9165

 31.5931, 56.4961,
12.0055


 81.8337, 127.8366,
43.7902


 21.2049, 40.6008,
6.6248


 106.1571,
160.7829, 60.9944

 13.3872, 28.0073,
3.1537


 134.8778,
198.9530, 82.2010

 7.7745, 18.3312,
1.1737

 168.3610,
242.7312, 107.8283

 4.0016, 11.1880,
0.0000

206.9721,
292.5019, 138.2950

 1.7030, 6.1934,
0.0000

251.0766,

 0.4582, 2.9631,

348.6496, 174.0196

0.0000

301.0396,
411.5586, 215.4206

■ 0.0000, 1.1125,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.9170, 76.0776,
19.7142

■ 44.9170, 76.0776,
19.7142

■ 41.7186, 74.5162,
15.6138

■ 49.0257, 78.0671,
25.7164

■ 39.3527, 73.3479,
13.1824

■ 54.1117, 80.5151,
33.8102

■ 37.7179, 72.5277,
12.0833

■ 60.2357, 83.4493,
44.1662

■ 37.5872, 72.4620,
12.0055

■ 67.4535, 86.8950,
56.9365

■ 75.8163, 90.8757,
72.2602

■ 85.3724, 95.4134,
90.2654

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.



61.7932, 76.0776, 9.5800



44.9170, 76.0776, 19.7142



36.5861, 76.0776, 51.6122

Triad

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



44.9170, 76.0776, 19.7142



60.3745, 76.0776, 284.0037



126.5558, 76.0776, 55.0009

Complementary

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



44.9170, 76.0776, 19.7142



48.5798, 27.1099, 97.2800

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.



125.9390, 76.0776, 124.6378



44.9170, 76.0776, 19.7142



83.9559, 76.0776, 286.7829

Square

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



44.9170, 76.0776, 19.7142



44.0761, 76.0776, 211.5554



109.0464, 76.0776, 217.8359



110.5820, 76.0776, 21.0204

Rectangle

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



44.9170, 76.0776, 19.7142



35.5347, 76.0776, 92.2712



109.0464, 76.0776, 217.8359



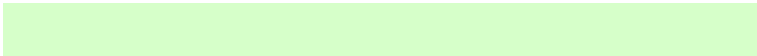
128.3749, 76.0776, 74.0661

Sweetspot

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



44.9172, 76.0777, 19.7154



74.0648, 90.0429, 69.0127



66.6816, 69.8847, 17.3729



15.3474, 19.0324, 13.8407



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.



44.9172, 76.0777, 19.7154



40.6813, 74.0059, 14.4598



42.7468, 74.6873, 31.8807



18.1675, 20.3722, 19.1190



19.7478, 37.9184, 6.2782



2.0139, 3.7390, 0.6155

Inverse Universe

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



48.5798, 27.1099, 97.2800



44.2973, 22.0523, 96.5295



55.4300, 31.4103, 62.8599



18.3547, 18.0746, 22.7713



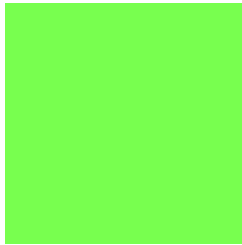
21.4109, 9.9482, 50.2263



2.1802, 1.0178, 4.8948

Previews

White Background



This preview shows how the XYZ color 44.9170, 76.0776, 19.7142 looks on a white background.

Color Contrast Check

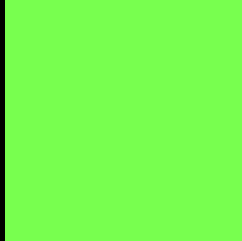
Large Text (above 18pt) WCAG AA × Fail

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 44.9170, 76.0776, 19.7142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

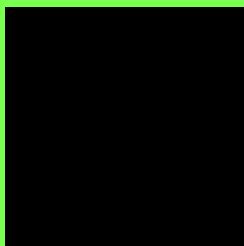
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.9170, 76.0776, 19.7142

Background



This preview shows how black text looks on a background with the XYZ color 44.9170, 76.0776, 19.7142.

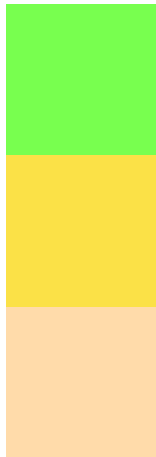


This preview shows how white text looks on a background with the XYZ color 44.9170, 76.0776, 19.7142.

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

44.9170, 76.0776, 19.7142

Protanopia

67.8462, 74.8146, 16.8260

Deuteranopia

73.8272, 74.8253, 48.5818



Tritanopia

63.0321, 75.3654, 105.8326

Trichromacy



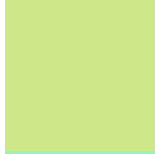
Original Color

44.9170, 76.0776, 19.7142



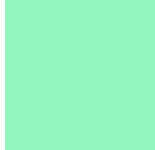
Protanomaly

55.8601, 73.1818, 17.6599



Deuteranomaly

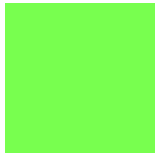
58.8256, 72.6412, 34.5876



Tritanomaly

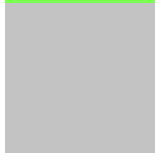
53.6087, 74.5739, 60.8590

Monochromacy



Original Color

44.9170, 76.0776, 19.7142



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

46.7111, 60.2504, 39.3046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9170, 76.0776, 19.7142 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(120, 255, 79)` looks like.

```
.text, #text, p{  
    color:rgb(120, 255, 79)  
}
```

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(120, 255, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 255, 79) }
```

Border

The CSS property to change the border of an element to XYZ 44.9170, 76.0776, 19.7142 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(120, 255, 79) }
```


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

```
.border{ border-color:rgb(120, 255, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 255, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 255, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 255, 79);  
box-shadow:4px 4px 4px 4px rgb(120, 255,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9170, 76.0776, 19.7142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 255, 79) }
```

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

```
.background{ background-color: rgb(120,  
255, 79) }
```

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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