

Converting Colors

XYZ(48.9965, 77.7081, 41.2558)

Have a look what the booklet for
XYZ(48.9965, 77.7081, 41.2558)
contains.

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Color

**XYZ(49.0107, 77.7151,
41.2715)**

Conversions

Conversions Part 1

Format	Color
Hex	78FF96
RGB	120, 255, 150
RGB Percent	47%, 100%, 59%
CMY	0.5294, 0.0000, 0.4118
CMYK	0.53, 0.00, 0.41, 0.00
HSL	133°, 100%, 74%
HSV	133°, 53%, 100%
XYZ	49.0107, 77.7151, 41.2715
YIQ	202.6650, -46.7550, -61.2750

Conversions

Conversions Part 2

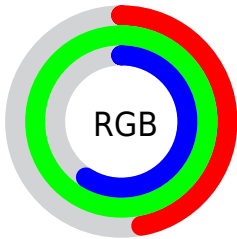
Format	Color
RYB	120, 230, 255
Decimal	7929750
CIELab	90.65, -58.75, 39.14
CIELCh	91, 70.592, 146.330
Yxy	77.7151, 0.2917, 0.4626
Android (android.graphics.Color)	4286119830 (0xFF78FF96)
YUV	202.6650, -25.9638, -72.4972
Hunter-Lab	88.1562, -55.0357, 33.9519

Details

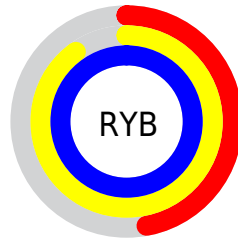
The XYZ color **49.0107, 77.7151, 41.2715** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **61.5470, 40.1294, 75.7348**, and the grayscale version is **56.7331, 59.6876, 64.9998**.

A 20% lighter version of the original color is **65.6018, 85.6311, 70.8285**, and **23.6922, 41.5986, 18.3359** is the 20% darker color. If you saturate the color by 10%, you get **44.4683, 75.5425, 33.4164**, and if you desaturate by 10%, it is **54.7657, 80.4814, 50.5968**.

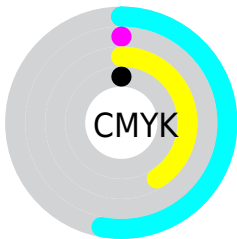
Distribution



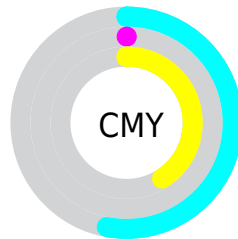
- Red (47%)
- Green (100%)
- Blue (59%)



- Red (47%)
- Yellow (90%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0107, 77.7151, 41.2715 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 49.0107, 77.7151, 41.2715 by changing the saturation by 10% instead.


 49.0107, 77.7151,
41.2715


 49.0107, 77.7151,
41.2715


373.3007,
487.1987, 367.1643


 34.8425, 57.8400,
28.2100


 87.9080, 130.1484,
78.3540

 23.7076, 41.6800,
18.2436


 113.3678,
163.4754, 103.2121

 15.2404, 28.8508,
10.9538


 143.3222,
202.0551, 132.8395

 9.0757, 18.9680,
5.9220

178.1366,
246.2720, 167.6546

 4.8481, 11.6472,
2.7297

218.1763,
296.5104, 208.0762

 2.1922, 6.5039,
0.9583


263.8066,


 0.7386, 3.1538,


353.1547, 254.5226

0.0000


315.3930,
416.5894, 307.4124


 0.0000, 1.2126,
0.0000


 0.0000, 0.0719,
0.0000


 49.0107, 77.7151,
41.2715


 49.0107, 77.7151,
41.2715


 44.4683, 75.5425,
33.4164


 54.7657, 80.4814,
50.5968


 41.0472, 73.9184,
26.9525

 61.8129, 83.8813,
61.4584

 38.6444, 72.7913,
21.7991

 70.2264, 87.9514,
73.9228

 37.1363, 72.0993,
17.8653

 80.0742, 92.7256,
88.0515

■ 36.4903, 71.8121,
15.7658

■ 91.4198, 98.2354,
103.9027

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.



59.7775, 77.7151, 23.8793



49.0107, 77.7151, 41.2715



44.8450, 77.7151, 78.5318

Triad

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



49.0107, 77.7151, 41.2715



71.7088, 77.7151, 223.8944



108.7548, 77.7151, 48.3356

Complementary

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



49.0107, 77.7151, 41.2715



61.5470, 40.1294, 75.7348

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.



113.2951, 77.7151, 91.0119



49.0107, 77.7151, 41.2715



90.0103, 77.7151, 205.4655

Square

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



49.0107, 77.7151, 41.2715



56.5603, 77.7151, 194.3997



105.9598, 77.7151, 150.9659



94.3838, 77.7151, 26.6653

Rectangle

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



49.0107, 77.7151, 41.2715



45.7857, 77.7151, 115.0838



105.9598, 77.7151, 150.9659



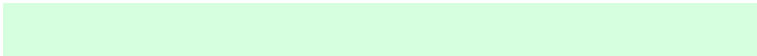
111.5710, 77.7151, 60.0686

Sweetspot

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



49.0111, 77.7152, 41.2727



76.9053, 91.1884, 83.5489



70.4360, 89.0045, 31.2369



16.0212, 19.3049, 17.2537



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.



49.0111, 77.7152, 41.2727



44.0545, 75.3454, 32.6671



55.9978, 80.5099, 78.0641



17.9368, 20.2343, 19.9703



19.1123, 37.5415, 8.4769



1.8997, 3.6708, 1.0299

Inverse Universe

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



61.5470, 40.1294, 75.7348



57.8006, 33.9800, 70.3447



54.1498, 37.1705, 36.7817



18.6097, 18.2272, 21.8279



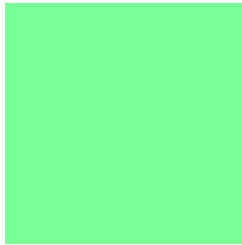
26.9534, 13.2707, 29.4690



2.6649, 1.3083, 3.0827

Previews

White Background



This preview shows how the XYZ color 49.0107, 77.7151, 41.2715 looks on a white background.

Color Contrast Check

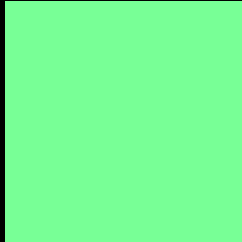
Large Text (above 18pt) WCAG AA × Fail

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 49.0107, 77.7151, 41.2715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

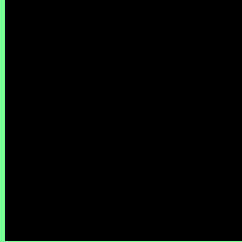
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

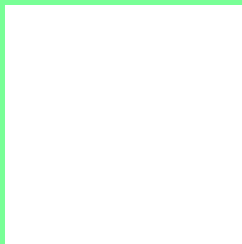
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0107, 77.7151, 41.2715

Background



This preview shows how black text looks on a background with the XYZ color 49.0107, 77.7151, 41.2715.

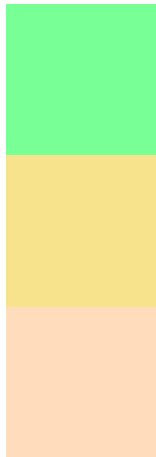


This preview shows how white text looks on a background with the XYZ color 49.0107, 77.7151,

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

49.0107, 77.7151, 41.2715

Protanopia

70.4871, 76.5764, 35.4918

Deuteranopia

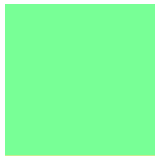
75.8028, 76.0343, 57.6945



Tritanopia

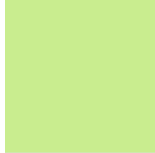
64.8529, 77.1685, 106.0846

Trichromacy



Original Color

49.0107, 77.7151, 41.2715



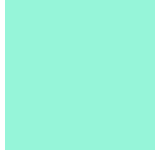
Protanomaly

59.3295, 74.9691, 37.3301



Deuteranomaly

62.2325, 74.4556, 51.1358



Tritanomaly

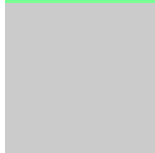
57.7545, 76.7986, 77.4253

Monochromacy



Original Color

49.0107, 77.7151, 41.2715



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.0066, 64.5875, 55.0730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0107, 77.7151, 41.2715 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(120, 255, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 255, 150) }
```

Border

The CSS property to change the border of an element to XYZ 49.0107, 77.7151, 41.2715 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, 150) }
```


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

```
.border{ border-color:rgb(120, 255, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(120, 255,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0107, 77.7151, 41.2715 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, 150) }
```

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

```
.background{ background-color: rgb(120,  
255, 150) }
```

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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