

Converting Colors

XYZ(47.7733, 77.0827, 40.9636)

Have a look what the booklet for
XYZ(47.7733, 77.0827, 40.9636)
contains.

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Color

**XYZ(47.7404, 77.0694,
40.7935)**

Conversions

Conversions Part 1

Format	Color
Hex	6FFF95
RGB	111, 255, 149
RGB Percent	44%, 100%, 58%
CMY	0.5647, 0.0000, 0.4157
CMYK	0.56, 0.00, 0.42, 0.00
HSL	136°, 100%, 72%
HSV	136°, 56%, 100%
XYZ	47.7404, 77.0694, 40.7935
YIQ	199.8600, -51.7980, -63.4940

Conversions

Conversions Part 2

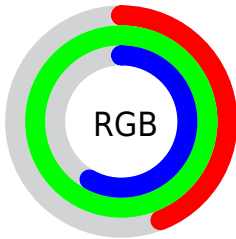
Format	Color
RYB	111, 225, 255
Decimal	7339925
CIELab	90.35, -60.97, 39.19
CIELCh	90, 72.475, 147.269
Yxy	77.0694, 0.2883, 0.4654
Android (android.graphics.Color)	4285530005 (0xFF6FFF95)
YUV	199.8600, -25.0740, -77.9302
Hunter-Lab	87.7892, -56.5615, 33.9018

Details

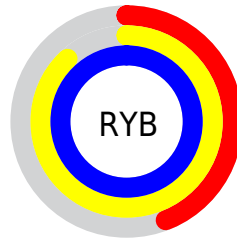
The XYZ color **47.7404, 77.0694, 40.7935** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **59.4490, 37.6391, 69.7770**, and the grayscale version is **54.9859, 57.8494, 62.9980**.

A 20% lighter version of the original color is **63.6723, 84.6503, 70.1100**, and **22.9232, 41.2076, 18.0550** is the 20% darker color. If you saturate the color by 10%, you get **43.5970, 75.0928, 33.3975**, and if you desaturate by 10%, it is **53.0419, 79.6151, 49.5070**.

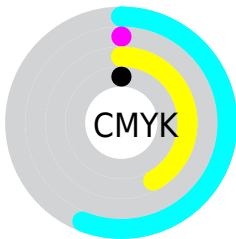
Distribution



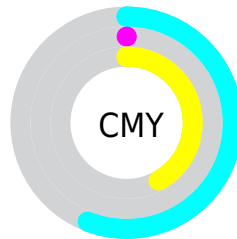
- Red (44%)
- Green (100%)
- Blue (58%)



- Red (44%)
- Yellow (88%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7404, 77.0694, 40.7935 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 47.7404, 77.0694, 40.7935 by changing the saturation by 10% instead.


 47.7404, 77.0694,
40.7935


 47.7404, 77.0694,
40.7935


368.3620,
485.0006, 365.1079


 33.8317, 57.3098,
27.8393


 86.0298, 129.2374,
77.6206

 22.9266, 41.2540,
17.9666


 111.1413,
162.4147, 102.3305

 14.6598, 28.5176,
10.7568


 140.7177,
200.8333, 131.7961

 8.6657, 18.7162,
5.7914

175.1244,
244.8777, 166.4359

 4.5791, 11.4654,
2.6519

214.7269,
294.9322, 206.6684

 2.0347, 6.3808,
0.9191


259.8904,


 0.6533, 3.0780,


351.3813, 252.9123


0.0000


310.9803,
414.6093, 305.5859


 0.0000, 1.1726,
0.0000


 0.0000, 0.0391,
0.0000

 47.7404, 77.0694,
40.7935


 47.7404, 77.0694,
40.7935

 43.5970, 75.0928,
33.3975


 53.0419, 79.6151,
49.5070


 40.5184, 73.6386,
27.2507


 59.5817, 82.7700,
59.5942


 38.3985, 72.6535,
22.2841

 67.4342, 86.5713,
71.1128

 37.1060, 72.0714,
18.4200

 76.6674, 91.0530,
84.1160

 36.7820, 71.9288,
17.3016

 87.3448, 96.2466,
98.6540

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.



58.4593, 77.0694, 22.9051



47.7404, 77.0694, 40.7935



43.7404, 77.0694, 79.2626

Triad

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



47.7404, 77.0694, 40.7935



71.6090, 77.0694, 227.7059



108.6773, 77.0694, 46.0846

Complementary

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



47.7404, 77.0694, 40.7935



59.4490, 37.6391, 69.7770

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.



113.7246, 77.0694, 88.7470



47.7404, 77.0694, 40.7935



90.3510, 77.0694, 207.0702

Square

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



47.7404, 77.0694, 40.7935



56.0266, 77.0694, 198.5318



106.5378, 77.0694, 150.0329



93.6894, 77.0694, 24.9588

Rectangle

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



47.7404, 77.0694, 40.7935



44.8319, 77.0694, 117.0538



106.5378, 77.0694, 150.0329



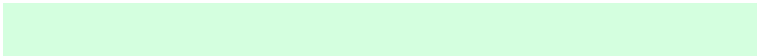
111.6900, 77.0694, 57.7083

Sweetspot

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



47.7409, 77.0697, 40.7948



76.1420, 90.7977, 83.3882



67.8430, 87.7279, 28.3971



15.8794, 19.2313, 17.2668



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.



47.7409, 77.0697, 40.7948



43.0593, 74.8377, 32.3775



55.1021, 80.0142, 79.5583



17.9683, 20.2469, 20.1363



19.2713, 37.6051, 9.3139



1.9191, 3.6786, 1.1320

Inverse Universe

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



59.4490, 37.6391, 69.7770



55.7656, 31.8498, 63.6861



52.1913, 34.7360, 31.5584



18.5760, 18.2137, 21.6502



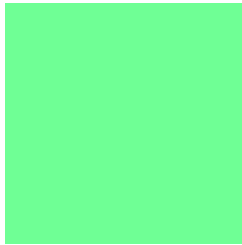
26.3401, 13.0253, 26.2393



2.6097, 1.2863, 2.7923

Previews

White Background



This preview shows how the XYZ color 47.7404, 77.0694, 40.7935 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 47.7404, 77.0694, 40.7935 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

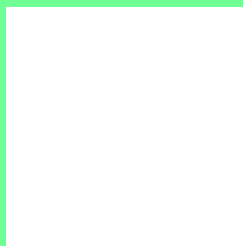
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7404, 77.0694, 40.7935

Background



This preview shows how black text looks on a background with the XYZ color 47.7404, 77.0694, 40.7935.

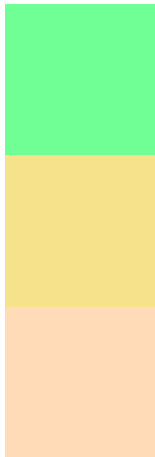


This preview shows how white text looks on a background with the XYZ color 47.7404, 77.0694,

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

47.7404, 77.0694, 40.7935

Protanopia

69.7898, 75.8205, 35.0013

Deuteranopia

75.2232, 75.3837, 55.9332



Tritanopia

63.6144, 76.5301, 106.0267

Trichromacy



Original Color

47.7404, 77.0694, 40.7935



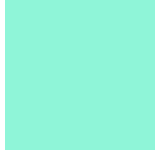
Protanomaly

58.1926, 74.3917, 36.8831



Deuteranomaly

60.8359, 73.3500, 49.4797



Tritanomaly

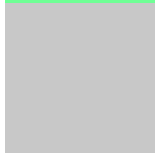
56.3748, 76.1023, 76.6837

Monochromacy



Original Color

47.7404, 77.0694, 40.7935



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.0821, 62.8474, 53.2072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7404, 77.0694, 40.7935 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(111, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(111, 255, 149)  
}
```

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(111, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 255, 149) }
```

Border

The CSS property to change the border of an element to XYZ 47.7404, 77.0694, 40.7935 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(111, 255, 149) }
```


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

```
.border{ border-color:rgb(111, 255, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 255, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 255, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 255, 149); box-shadow:4px 4px 4px 4px rgb(111, 255, 149) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7404, 77.0694, 40.7935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 255, 149) }
```

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

```
.background{ background-color: rgb(111,  
255, 149) }
```

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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