

Converting Colors

XYZ(71.1536, 46.7536, 98.9115)

Have a look what the booklet for
XYZ(71.1536, 46.7536, 98.9115)
contains.

XYZ(67.2457, 44.6484, 98.8397)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.2457, 44.6484,
98.8397)**

Conversions

Conversions Part 1

Format	Color
Hex	FF83FE
RGB	255, 131, 254
RGB Percent	100%, 51%, 100%
CMY	0.0000, 0.4862, 0.0039
CMYK	0.00, 0.49, 0.00, 0.00
HSL	300°, 100%, 76%
HSV	300°, 49%, 100%
XYZ	67.2457, 44.6484, 98.8397
YIQ	182.0980, 34.4210, 64.5410

Conversions

Conversions Part 2

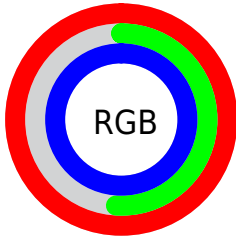
Format	Color
R _Y B	255, 131, 254
Decimal	16745470
CIE _{Lab}	72.66, 63.38, -40.79
CIE _{LCh}	73, 75.369, 327.235
Y _{xy}	44.6484, 0.3191, 0.2119
Android (android.graphics.Color)	4294935550 (0xFFFF83FE)
Y _{UV}	182.0980, 35.4477, 63.9351
Hunter-Lab	66.8195, 62.7046, -40.9285

Details

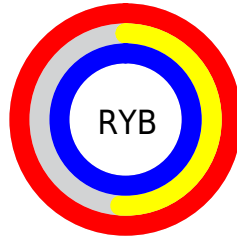
The XYZ color **67.2457, 44.6484, 98.8397** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **49.2863, 78.0119, 34.2919**, and the grayscale version is **44.3181, 46.6261, 50.7758**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **35.3591, 20.7991, 54.9743** is the 20% darker color. If you saturate the color by 10%, you get **64.1999, 38.6092, 97.6627**, and if you desaturate by 10%, it is **71.1361, 52.3762, 100.2995**.

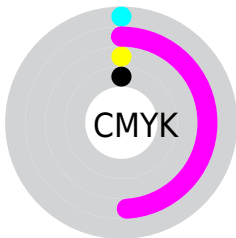
Distribution



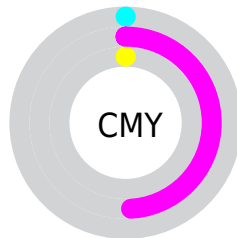
- Red (100%)
- Green (51%)
- Blue (100%)



- Red (100%)
- Yellow (51%)
- Blue (100%)



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



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

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.2457, 44.6484, 98.8397 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 67.2457, 44.6484, 98.8397 by changing the saturation by 10% instead.


 67.2457, 44.6484,
98.8397

 67.2457, 44.6484,
98.8397


440.2376,
365.3477, 577.6811

 49.5558, 31.1806,
74.7204

 114.3203, 82.1925,
161.5997

 35.2769, 20.7364,
54.8835


 144.4356,
107.0377, 201.0775

 24.0438, 12.9314,
38.9105


 179.4234,
136.4440, 246.5118

 15.4910, 7.3814,
26.3828

219.6491,
170.7959, 298.3213

 9.2533, 3.7017,
16.8819

265.4780,
210.4779, 356.9244

 4.9652, 1.5081,
9.9893

317.2755,

 2.2614, 0.2945,

255.8742, 422.7397

5.2863

375.4069,
307.3694, 496.1858

■ 0.7748, 0.0000,
2.3546

■ 0.0000, 0.0000,
0.7615

■ 67.2457, 44.6484,
98.8397

■ 67.2457, 44.6484,
98.8397

■ 64.1999, 38.6092,
97.6627

■ 71.1361, 52.3762,
100.2995

■ 61.9329, 34.1277,
96.7449

■ 75.9247, 61.9007,
102.0584

■ 60.3738, 31.0621,
96.0633

■ 81.6641, 73.3268,
104.1343

■ 59.4376, 29.2423,
95.5895

■ 88.4022, 86.7500,
106.5433

■ 59.0034, 28.4263,
95.2831

95.0500, 100.0000,
108.9000

■ 58.9609, 28.3483,
95.2468

Harmonies

Analogous

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



54.9959, 44.6484, 144.6770



67.2457, 44.6484, 98.8397



72.7811, 44.6484, 52.1668

Triad

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



67.2457, 44.6484, 98.8397



43.6598, 44.6484, 6.3551



23.7980, 44.6484, 89.5067

Complementary

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



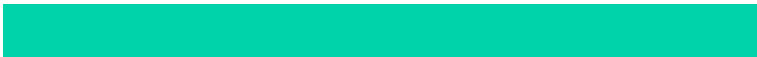
67.2457, 44.6484, 98.8397



49.2863, 78.0119, 34.2919

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.



21.9737, 44.6484, 45.2273



67.2457, 44.6484, 98.8397



31.9523, 44.6484, 8.6111

Square

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



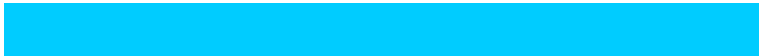
67.2457, 44.6484, 98.8397



57.5276, 44.6484, 9.7523



24.6313, 44.6484, 19.1585



30.2471, 44.6484, 137.6176

Rectangle

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



67.2457, 44.6484, 98.8397



71.2189, 44.6484, 30.2697



24.6313, 44.6484, 19.1585



22.6895, 44.6484, 73.1843

Sweetspot

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



67.2467, 44.6501, 98.8406



83.9889, 77.9571, 104.9683



35.5282, 28.2801, 98.1938



17.6843, 16.1028, 22.3626



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.



67.2467, 44.6501, 98.8406



64.3668, 38.9397, 97.7285



58.9831, 41.3447, 55.3255



18.7860, 18.2977, 22.7564



30.8112, 14.8138, 49.7839



3.0020, 1.4432, 4.8577

Inverse Universe

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



67.2467, 44.6501, 98.8406



64.3668, 38.9397, 97.7285



54.7470, 80.1962, 63.0479



18.7860, 18.2977, 22.7564



30.8112, 14.8138, 49.7839



3.0020, 1.4432, 4.8577

Previews

White Background



This preview shows how the XYZ color 67.2457, 44.6484, 98.8397 looks on a white background.

Color Contrast Check

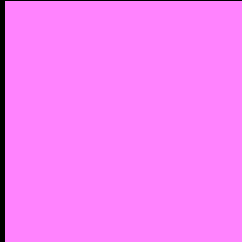
Large Text (above 18pt) WCAG AA × Fail

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 67.2457, 44.6484, 98.8397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

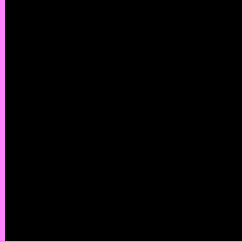
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.2457, 44.6484, 98.8397

Background



This preview shows how black text looks on a background with the XYZ color 67.2457, 44.6484, 98.8397.



This preview shows how white text looks on a background with the XYZ color 67.2457, 44.6484,

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

67.2457, 44.6484, 98.8397

Protanopia

46.5242, 44.9461, 100.8311

Deuteranopia

46.0645, 44.8726, 93.4222



Tritanopia

55.2373, 44.3699, 40.7749

Trichromacy



Original Color

67.2457, 44.6484, 98.8397



Protanomaly

51.6071, 43.1804, 100.2224



Deuteranomaly

51.6620, 43.3186, 95.2610

Tritanomaly

58.7627, 43.9342, 58.2063

Monochromacy



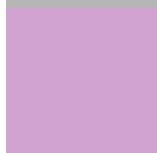
Original Color

67.2457, 44.6484, 98.8397



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

50.7769, 44.3038, 65.5498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2457, 44.6484, 98.8397 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(255, 131, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 254)  
}
```

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(255, 131, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 254) }
```

Border

The CSS property to change the border of an element to XYZ 67.2457, 44.6484, 98.8397 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(255, 131, 254) }
```


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

```
.border{ border-color:rgb(255, 131, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 131, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2457, 44.6484, 98.8397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 254) }
```

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

```
.background{ background-color: rgb(255,  
131, 254) }
```

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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