

Converting Colors

XYZ(61.9286, 38.3872, 98.7532)

Have a look what the booklet for
XYZ(61.9286, 38.3872, 98.7532)
contains.

XYZ(61.8502, 38.4012, 98.7600)	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(61.8502, 38.4012,
98.7600)**

Conversions

Conversions Part 1

Format	Color
Hex	F670FF
RGB	246, 112, 255
RGB Percent	96%, 44%, 100%
CMY	0.0353, 0.5608, 0.0000
CMYK	0.04, 0.56, 0.00, 0.00
HSL	296°, 100%, 72%
HSV	296°, 56%, 100%
XYZ	61.8502, 38.4012, 98.7600
YIQ	168.3680, 33.9610, 72.8810

Conversions

Conversions Part 2

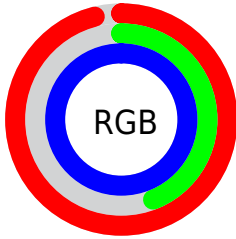
Format	Color
R _Y B	246, 112, 255
Decimal	16150783
CIE Lab	68.32, 69.85, -48.23
CIE LCh	68, 84.886, 325.378
Yxy	38.4012, 0.3108, 0.1930
Android (android.graphics.Color)	4294340863 (0xFFFF670FF)
YUV	168.3680, 42.7096, 68.0833
Hunter-Lab	61.9687, 69.7134, -51.1128

Details

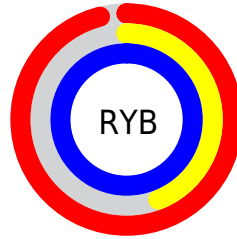
The XYZ color **61.8502, 38.4012, 98.7600** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **46.5708, 76.7553, 27.6918**, and the grayscale version is **37.1867, 39.1233, 42.6053**.

A 20% lighter version of the original color is **73.4780, 56.8559, 101.7093**, and **31.9146, 17.0980, 55.0442** is the 20% darker color. If you saturate the color by 10%, you get **58.8645, 33.2609, 97.9252**, and if you desaturate by 10%, it is **65.6398, 45.1402, 99.8611**.

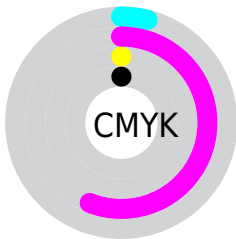
Distribution



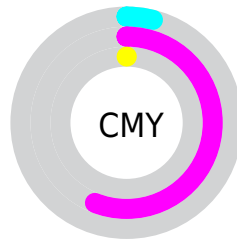
- Red (96%)
- Green (44%)
- Blue (100%)



- Red (96%)
- Yellow (44%)
- Blue (100%)



- Cyan (4%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.8502, 38.4012, 98.7600 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 61.8502, 38.4012, 98.7600 by changing the saturation by 10% instead.


 61.8502, 38.4012,
98.7600

 61.8502, 38.4012,
98.7600

421.1107,
339.3379, 577.4224

 45.1668, 26.2942,
74.6543

 106.6002, 72.7227,
161.4891

 31.7907, 17.0439,
54.8297


 135.3974, 95.7059,
200.9495

 21.3564, 10.2658,
38.8677


 168.9634,
123.0834, 246.3652

 13.4987, 5.5755,
26.3498

207.6634,
155.2395, 298.1548

 7.8522, 2.5887,
16.8574

251.8627,
192.5586, 356.7368

 4.0515, 0.9210,
9.9720

301.9269,

 1.7313, 0.0000,

235.4251, 422.5297

5.2750

358.2211,
284.2234, 495.9521

■ 0.4758, 0.0000,
2.3480

■ 0.0000, 0.0000,
0.7579

■ 61.8502, 38.4012,
98.7600

■ 61.8502, 38.4012,
98.7600

■ 58.8645, 33.2609,
97.9252

■ 65.6398, 45.1402,
99.8611

■ 56.6096, 29.5759,
97.3328

■ 70.2905, 53.5951,
101.2479

■ 55.0058, 27.1859,
96.9560

■ 75.8589, 63.8781,
102.9393

■ 53.9524, 25.8896,
96.7613

■ 82.3954, 76.0903,
104.9519

■ 53.6309, 25.5626,
96.7152

■ 89.9471, 90.3254,
107.3016

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.



48.5946, 38.4012, 149.0428



61.8502, 38.4012, 98.7600



68.3867, 38.4012, 47.9961

Triad

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



61.8502, 38.4012, 98.7600



38.5989, 38.4012, 3.0532



17.9253, 38.4012, 81.7171

Complementary

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



61.8502, 38.4012, 98.7600



46.5708, 76.7553, 27.6918

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.



16.4813, 38.4012, 36.1840



61.8502, 38.4012, 98.7600



26.5984, 38.4012, 4.4087

Square

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



61.8502, 38.4012, 98.7600



53.0434, 38.4012, 5.8614



19.2389, 38.4012, 12.4769



23.8115, 38.4012, 135.6911

Rectangle

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



61.8502, 38.4012, 98.7600



67.1292, 38.4012, 25.2407



19.2389, 38.4012, 12.4769



16.9762, 38.4012, 64.3998

Sweetspot

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



61.8515, 38.4029, 98.7603



81.7496, 74.8784, 104.7521



31.6360, 24.4713, 97.6638



17.2036, 15.4758, 22.3303



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.



61.8515, 38.4029, 98.7603



58.6266, 32.8616, 97.8607



56.6645, 36.7016, 54.5707



18.6731, 18.2387, 22.7862



28.0717, 13.3820, 50.5380



2.7660, 1.3199, 4.9222

Inverse Universe

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



50.4863, 34.2303, 22.0368



46.4830, 28.4484, 13.8441



50.0800, 78.0200, 52.4490



18.0557, 18.0056, 18.9106



21.6154, 11.1354, 1.3590



2.1201, 1.0904, 0.2139

Previews

White Background



This preview shows how the XYZ color 61.8502, 38.4012, 98.7600 looks on a white background.

Color Contrast Check

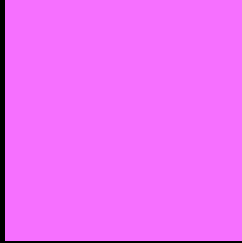
Large Text (above 18pt) WCAG AA × Fail

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 61.8502, 38.4012, 98.7600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

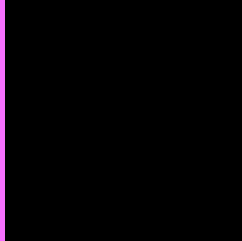
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.8502, 38.4012, 98.7600

Background



This preview shows how black text looks on a background with the XYZ color 61.8502, 38.4012, 98.7600.



This preview shows how white text looks on a background with the XYZ color 61.8502, 38.4012,

98.7600.

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

61.8502, 38.4012, 98.7600

Protanopia

40.9983, 38.7575, 99.9278

Deuteranopia

39.9436, 38.9128, 92.5944



Tritanopia

48.4874, 38.2818, 33.6877

Trichromacy



Original Color

61.8502, 38.4012, 98.7600



Protanomaly

45.6310, 36.4695, 99.2420



Deuteranomaly

44.8333, 36.3960, 94.2847

Tritanomaly

52.3196, 37.7732, 52.1104

Monochromacy



Original Color

61.8502, 38.4012, 98.7600



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

43.7802, 37.0857, 59.4944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.8502, 38.4012, 98.7600 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(246, 112, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 112, 255)  
}
```

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(246, 112, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 112, 255) }
```

Border

The CSS property to change the border of an element to XYZ 61.8502, 38.4012, 98.7600 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(246, 112, 255) }
```


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

```
.border{ border-color:rgb(246, 112, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 112, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 112, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 112, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 112,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 61.8502, 38.4012, 98.7600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 112, 255) }
```

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

```
.background{ background-color: rgb(246,  
112, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor