

Converting Colors

XYZ(62.7837, 35.4673, 98.1446)

Have a look what the booklet for
XYZ(62.7837, 35.4673, 98.1446)
contains.

XYZ(62.7797, 35.4594, 98.1432)	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(62.7797, 35.4594,
98.1432)**

Conversions

Conversions Part 1

Format	Color
Hex	FF58FF
RGB	255, 88, 255
RGB Percent	100%, 35%, 100%
CMY	0.0000, 0.6549, 0.0000
CMYK	0.00, 0.65, 0.00, 0.00
HSL	300°, 100%, 67%
HSV	300°, 65%, 100%
XYZ	62.7797, 35.4594, 98.1432
YIQ	156.9710, 45.9250, 87.3410

Conversions

Conversions Part 2

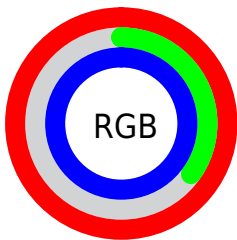
Format	Color
R _Y B	255, 88, 255
Decimal	16734463
CIE Lab	66.10, 81.54, -51.64
CIE LCh	66, 96.516, 327.657
Yxy	35.4594, 0.3197, 0.1806
Android (android.graphics.Color)	4294924543 (0xFFFF58FF)
YUV	156.9710, 48.3283, 85.9714
Hunter-Lab	59.5478, 83.9793, -56.0349

Details

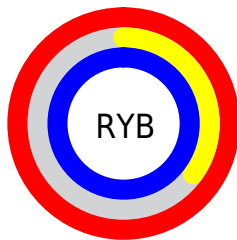
The XYZ color **62.7797, 35.4594, 98.1432** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **41.5470, 74.2998, 21.3857**, and the grayscale version is **31.8115, 33.4682, 36.4469**.

A 20% lighter version of the original color is **70.0374, 49.9749, 100.5625**, and **32.4412, 15.5466, 54.7170** is the 20% darker color. If you saturate the color by 10%, you get **61.0403, 31.9807, 97.5634**, and if you desaturate by 10%, it is **65.2519, 40.4038, 98.9673**.

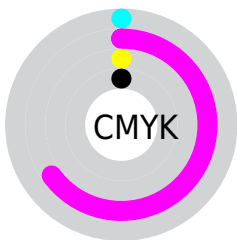
Distribution



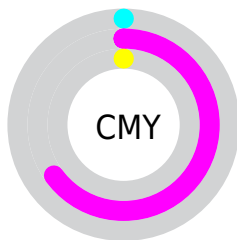
- Red (100%)
- Green (35%)
- Blue (100%)



- Red (100%)
- Yellow (35%)
- Blue (100%)



- Cyan (0%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)



- Cyan (0%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.7797, 35.4594, 98.1432 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 62.7797, 35.4594, 98.1432 by changing the saturation by 10% instead.


 62.7797, 35.4594,
98.1432


 62.7797, 35.4594,
98.1432


424.4419,
326.5915, 575.4188

 45.9210, 24.0170,
74.1425


 107.9352, 68.1968,
160.6327

 32.3878, 15.3462,
54.4132


 136.9627, 90.2606,
199.9587

 21.8149, 9.0627,
38.5367


 170.7772,
116.6337, 245.2301

 13.8368, 4.7821,
26.0944

 209.7441,
147.7004, 296.8656

 8.0882, 2.1200,
16.6679

254.2286,
183.8451, 355.2837

 4.2037, 0.6758,
9.8386

304.5962,

 1.8180, 0.0000,

225.4523, 420.9029

5.1878

361.2122,
272.9063, 494.1417

■ 0.5285, 0.0000,
2.2972

■ 0.0000, 0.0000,
0.7297

■ 62.7797, 35.4594,
98.1432

■ 62.7797, 35.4594,
98.1432

■ 61.0403, 31.9807,
97.5634

■ 65.2519, 40.4038,
98.9673

■ 59.9518, 29.8036,
97.2006

■ 68.5237, 46.9474,
100.0579

■ 59.4156, 28.7312,
97.0219

■ 72.6565, 55.2129,
101.4355

■ 59.2900, 28.4800,
96.9800

■ 77.7051, 65.3101,
103.1184

83.7198, 77.3397,
105.1233

90.7475, 91.3950,
107.4658

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.



48.1910, 35.4594, 159.3039



62.7797, 35.4594, 98.1432



69.4442, 35.4594, 41.9293

Triad

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



62.7797, 35.4594, 98.1432



34.8432, 35.4594, 1.2506



14.7038, 35.4594, 88.0900

Complementary

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



62.7797, 35.4594, 98.1432



41.5470, 74.2998, 21.3857

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.



12.9772, 35.4594, 35.4693



62.7797, 35.4594, 98.1432



22.4557, 35.4594, 2.3994

Square

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



62.7797, 35.4594, 98.1432



50.7124, 35.4594, 2.9425



15.3620, 35.4594, 9.8970



20.9986, 35.4594, 151.1404

Rectangle

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



62.7797, 35.4594, 98.1432



67.3986, 35.4594, 19.2683



15.3620, 35.4594, 9.8970



13.6643, 35.4594, 67.8570

Sweetspot

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



62.7803, 35.4607, 98.1434



80.8829, 71.6657, 104.1776



25.5655, 16.2757, 96.4018



16.9560, 14.6268, 22.1795



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.



62.7803, 35.4607, 98.1434



60.5883, 31.0766, 97.4128



52.1291, 31.2002, 42.0550



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Inverse Universe

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



62.7803, 35.4607, 98.1434



60.5883, 31.0766, 97.4128



47.1840, 76.5546, 51.0699



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 62.7797, 35.4594, 98.1432 looks on a white background.

Color Contrast Check

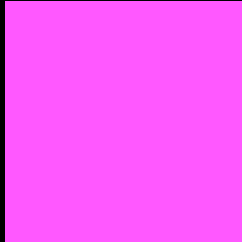
Large Text (above 18pt) WCAG AA × Fail

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 62.7797, 35.4594, 98.1432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

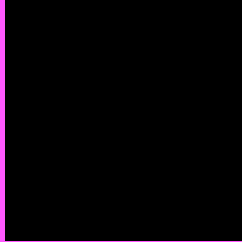
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.7797, 35.4594, 98.1432

Background



This preview shows how black text looks on a background with the XYZ color 62.7797, 35.4594, 98.1432.



This preview shows how white text looks on a background with the XYZ color 62.7797, 35.4594,

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

62.7797, 35.4594, 98.1432

Protanopia

38.3029, 35.8113, 99.5012

Deuteranopia

36.6336, 35.6776, 89.7497



Tritanopia

47.9123, 35.0892, 26.8019

Trichromacy



Original Color

62.7797, 35.4594, 98.1432



Protanomaly

43.0151, 32.5411, 98.6217



Deuteranomaly

41.8912, 32.3116, 92.0246

Tritanomaly

51.8361, 34.3955, 46.0264

Monochromacy



Original Color

62.7797, 35.4594, 98.1432



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

39.8692, 31.6902, 54.4676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.7797, 35.4594, 98.1432 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, 88, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 88, 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(255, 88, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 88, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.7797, 35.4594, 98.1432 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, 88, 255) }
```


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

```
.border{ border-color:rgb(255, 88, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 88, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 88, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 88, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 88,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.7797, 35.4594, 98.1432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 88, 255) }
```

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

```
.background{ background-color: rgb(255, 88,  
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](#).

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