

Converting Colors

XYZ(62.8884, 35.6769, 98.1795)

Have a look what the booklet for
XYZ(62.8884, 35.6769, 98.1795)
contains.

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Color

**XYZ(62.8624, 35.6248,
98.1708)**

Conversions

Conversions Part 1

Format	Color
Hex	FF59FF
RGB	255, 89, 255
RGB Percent	100%, 35%, 100%
CMY	0.0000, 0.6509, 0.0000
CMYK	0.00, 0.65, 0.00, 0.00
HSL	300°, 100%, 67%
HSV	300°, 65%, 100%
XYZ	62.8624, 35.6248, 98.1708
YIQ	157.5580, 45.6500, 86.8180

Conversions

Conversions Part 2

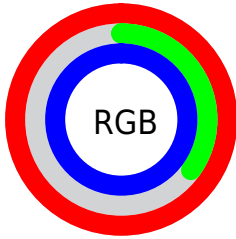
Format	Color
R _Y B	255, 89, 255
Decimal	16734719
CIE Lab	66.23, 81.18, -51.43
CIE LCh	66, 96.105, 327.644
Yxy	35.6248, 0.3197, 0.1812
Android (android.graphics.Color)	4294924799 (0xFFFF59FF)
YUV	157.5580, 48.0389, 85.4566
Hunter-Lab	59.6865, 83.5465, -55.7381

Details

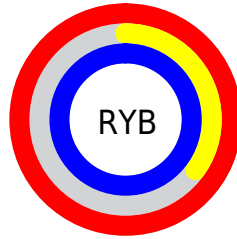
The XYZ color **62.8624, 35.6248, 98.1708** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **41.6841, 74.3656, 21.6100**, and the grayscale version is **32.0765, 33.7470, 36.7504**.

A 20% lighter version of the original color is **70.1963, 50.2927, 100.6154**, and **32.4412, 15.5466, 54.7170** is the 20% darker color. If you saturate the color by 10%, you get **61.0958, 32.0915, 97.5819**, and if you desaturate by 10%, it is **65.3648, 40.6295, 99.0049**.

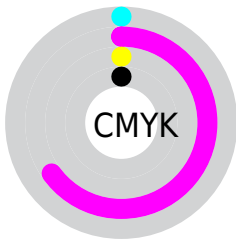
Distribution



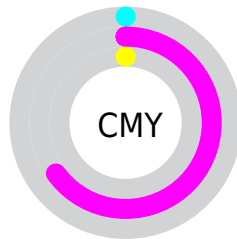
- Red (100%)
- Green (35%)
- Blue (100%)



- 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 62.8624, 35.6248, 98.1708 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 62.8624, 35.6248, 98.1708 by changing the saturation by 10% instead.


 62.8624, 35.6248,
98.1708


 62.8624, 35.6248,
98.1708

424.7375,
327.3176, 575.5085

 45.9881, 24.1446,
74.1654

 108.0539, 68.4526,
160.6711

 32.4410, 15.4409,
54.4318


 137.1018, 90.5689,
200.0030

 21.8558, 9.1294,
38.5515


 170.9384,
116.9993, 245.2809

 13.8670, 4.8257,
26.1059

 209.9289,
148.1283, 296.9233

 8.1093, 2.1453,
16.6764

254.4387,
184.3403, 355.3487

 4.2173, 0.6899,
9.8445

304.8332,

 1.8258, 0.0000,

226.0195, 420.9757

5.1917

361.4777,
273.5505, 494.2228

■ 0.5332, 0.0000,
2.2995

■ 0.0000, 0.0000,
0.7309

■ 62.8624, 35.6248,
98.1708

■ 62.8624, 35.6248,
98.1708

■ 61.0958, 32.0915,
97.5819

■ 65.3648, 40.6295,
99.0049

■ 59.9834, 29.8667,
97.2111

■ 68.6692, 47.2385,
100.1064

■ 59.4277, 28.7554,
97.0259

■ 72.8369, 55.5739,
101.4956

■ 59.2900, 28.4800,
96.9800

■ 77.9225, 65.7450,
103.1908

83.9762, 77.8524,
105.2087

91.0445, 91.9890,
107.5648

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.



48.3144, 35.6248, 159.0219



62.8624, 35.6248, 98.1708



69.5082, 35.6248, 42.1235

Triad

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



62.8624, 35.6248, 98.1708



35.0053, 35.6248, 1.3038



14.8528, 35.6248, 88.1046

Complementary

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



62.8624, 35.6248, 98.1708



41.6841, 74.3656, 21.6100

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.



13.1230, 35.6248, 35.6360



62.8624, 35.6248, 98.1708



22.6215, 35.6248, 2.4737

Square

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



62.8624, 35.6248, 98.1708



50.8430, 35.6248, 3.0283



15.5161, 35.6248, 10.0368



21.1555, 35.6248, 150.8590

Rectangle

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



62.8624, 35.6248, 98.1708



67.4733, 35.6248, 19.4566



15.5161, 35.6248, 10.0368



13.8110, 35.6248, 67.9463

Sweetspot

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



62.8630, 35.6261, 98.1710



80.8829, 71.6657, 104.1776



25.7436, 16.4903, 96.4339



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.



62.8630, 35.6261, 98.1710



60.7090, 31.3181, 97.4530



52.2598, 31.3848, 42.3352



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.



62.8630, 35.6261, 98.1710



60.7090, 31.3181, 97.4530



47.3274, 76.6229, 51.3270



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 62.8624, 35.6248, 98.1708 looks on a white background.

Color Contrast Check

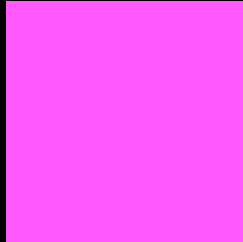
Large Text (above 18pt) WCAG AA × Fail

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 62.8624, 35.6248, 98.1708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

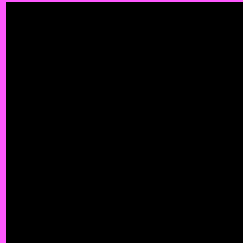
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.8624, 35.6248, 98.1708

Background



This preview shows how black text looks on a background with the XYZ color 62.8624, 35.6248, 98.1708.



This preview shows how white text looks on a background with the XYZ color 62.8624, 35.6248,

98.1708.

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

62.8624, 35.6248, 98.1708

Protanopia

38.4452, 35.8847, 99.5079

Deuteranopia

36.7745, 35.7503, 89.7563



Tritanopia

48.1097, 35.3718, 27.2134

Trichromacy



Original Color

62.8624, 35.6248, 98.1708



Protanomaly

43.2321, 32.6530, 98.6318



Deuteranomaly

41.8912, 32.3116, 92.0246

Tritanomaly

52.0478, 34.6578, 46.5942

Monochromacy



Original Color

62.8624, 35.6248, 98.1708



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

40.0055, 31.9628, 54.5130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.8624, 35.6248, 98.1708 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, 89, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 89, 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, 89, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 89, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.8624, 35.6248, 98.1708 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, 89, 255) }
```


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

```
.border{ border-color:rgb(255, 89, 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, 89, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 89, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 89, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 89,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8624, 35.6248, 98.1708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 89, 255) }
```

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

```
.background{ background-color: rgb(255, 89,  
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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