

Converting Colors

XYZ(62.5851, 35.0702, 98.0784)

Have a look what the booklet for
XYZ(62.5851, 35.0702, 98.0784)
contains.

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Color

**XYZ(62.6178, 35.1356,
98.0893)**

Conversions

Conversions Part 1

Format	Color
Hex	FF56FF
RGB	255, 86, 255
RGB Percent	100%, 34%, 100%
CMY	0.0000, 0.6627, 0.0000
CMYK	0.00, 0.66, 0.00, 0.00
HSL	300°, 100%, 67%
HSV	300°, 66%, 100%
XYZ	62.6178, 35.1356, 98.0893
YIQ	155.7970, 46.4750, 88.3870

Conversions

Conversions Part 2

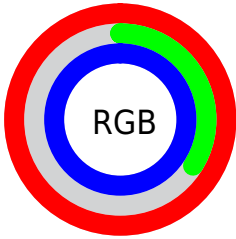
Format	Color
R _{YB}	255, 86, 255
Decimal	16733951
CIE Lab	65.85, 82.25, -52.03
CIE LCh	66, 97.325, 327.681
Yxy	35.1356, 0.3197, 0.1794
Android (android.graphics.Color)	4294924031 (0xFFFF56FF)
YUV	155.7970, 48.9071, 87.0010
Hunter-Lab	59.2753, 84.8338, -56.6209

Details

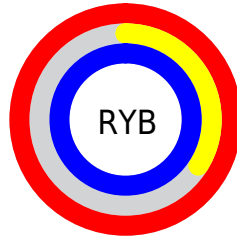
The XYZ color **62.6178, 35.1356, 98.0893** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **41.2785, 74.1708, 20.9466**, and the grayscale version is **31.2858, 32.9151, 35.8446**.

A 20% lighter version of the original color is **69.7237, 49.3474, 100.4579**, and **32.4412, 15.5466, 54.7170** is the 20% darker color. If you saturate the color by 10%, you get **60.9326, 31.7652, 97.5275**, and if you desaturate by 10%, it is **65.0300, 39.9601, 98.8933**.

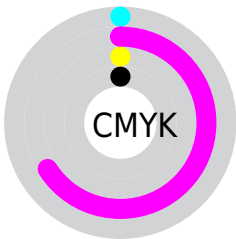
Distribution



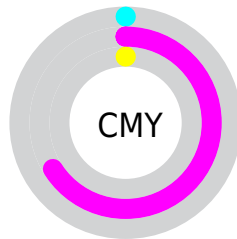
- Red (100%)
- Green (34%)
- Blue (100%)



- Red (100%)
- Yellow (34%)
- Blue (100%)



- Cyan (0%)
- Magenta (66%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (66%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.6178, 35.1356, 98.0893 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 62.6178, 35.1356, 98.0893 by changing the saturation by 10% instead.


 62.6178, 35.1356,
98.0893


 62.6178, 35.1356,
98.0893

423.8628,
325.1665, 575.2435

 45.7896, 23.7673,
74.0978

 107.7028, 67.6958,
160.5579


 32.2837, 15.1611,
54.3768


 136.6904, 89.6565,
199.8720

 21.7349, 8.9325,
38.5078


 170.4617,
115.9168, 245.1308

 13.7777, 4.6972,
26.0722

 209.3822,
146.8612, 296.7528

 8.0469, 2.0707,
16.6514

253.8172,
182.8739, 355.1566

 4.1770, 0.6481,
9.8269

304.1320,

 1.8028, 0.0000,

224.3394, 420.7606

5.1803

360.6921,
271.6422, 493.9834

■ 0.5193, 0.0000,
2.2928

■ 0.0000, 0.0000,
0.7272

■ 62.6178, 35.1356,
98.0893

■ 62.6178, 35.1356,
98.0893

■ 60.9326, 31.7652,
97.5275

■ 65.0300, 39.9601,
98.8933

■ 59.8913, 29.6825,
97.1804

■ 68.2368, 46.3736,
99.9623

■ 59.3932, 28.6864,
97.0144

■ 72.3000, 54.5000,
101.3167

■ 59.2900, 28.4800,
96.9800

■ 77.2749, 64.4498,
102.9750

■ 83.2122, 76.3245,
104.9541

■ 90.1588, 90.2177,
107.2696

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.



47.9493, 35.1356, 159.8611



62.6178, 35.1356, 98.0893



69.3190, 35.1356, 41.5488

Triad

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



62.6178, 35.1356, 98.0893



34.5259, 35.1356, 1.1502



14.4137, 35.1356, 88.0626

Complementary

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



62.6178, 35.1356, 98.0893



41.2785, 74.1708, 20.9466

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.



12.6935, 35.1356, 35.1433



62.6178, 35.1356, 98.0893



22.1318, 35.1356, 2.2573

Square

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



62.6178, 35.1356, 98.0893



50.4564, 35.1356, 2.7782



15.0617, 35.1356, 9.6258



20.6922, 35.1356, 151.6973

Rectangle

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



62.6178, 35.1356, 98.0893



67.2523, 35.1356, 18.9011



15.0617, 35.1356, 9.6258



13.3786, 35.1356, 67.6825

Sweetspot

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



62.6184, 35.1369, 98.0895



80.8829, 71.6657, 104.1776



25.2169, 15.8557, 96.3391



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.



62.6184, 35.1369, 98.0895



60.4738, 30.8477, 97.3746



51.8719, 30.8382, 41.4991



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.



62.6184, 35.1369, 98.0895



60.4738, 30.8477, 97.3746



46.9020, 76.4202, 50.5592



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 62.6178, 35.1356, 98.0893 looks on a white background.

Color Contrast Check

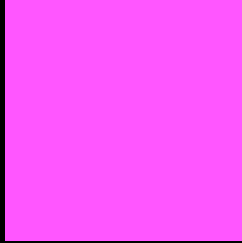
Large Text (above 18pt) WCAG AA × Fail

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 62.6178, 35.1356, 98.0893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

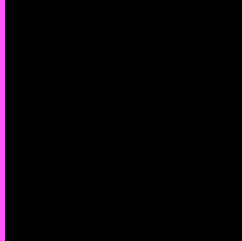
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.6178, 35.1356, 98.0893

Background



This preview shows how black text looks on a background with the XYZ color 62.6178, 35.1356, 98.0893.



This preview shows how white text looks on a background with the XYZ color 62.6178, 35.1356,

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

62.6178, 35.1356, 98.0893

Protanopia

37.9921, 35.3989, 99.4380

Deuteranopia

36.3215, 35.2604, 89.6856



Tritanopia

47.7169, 34.8095, 26.3943

Trichromacy



Original Color

62.6178, 35.1356, 98.0893



Protanomaly

42.7439, 31.9986, 98.5313



Deuteranomaly

41.4020, 31.6529, 91.9232

Tritanomaly

51.5178, 33.9190, 45.4267

Monochromacy



Original Color

62.6178, 35.1356, 98.0893



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

39.3690, 31.2448, 53.8251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.6178, 35.1356, 98.0893 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, 86, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 86, 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, 86, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.6178, 35.1356, 98.0893 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, 86, 255) }
```


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

```
.border{ border-color:rgb(255, 86, 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, 86, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.6178, 35.1356, 98.0893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 86, 255) }
```

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

```
.background{ background-color: rgb(255, 86,  
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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