

Converting Colors

XYZ(62.5031, 34.9062, 98.0510)

Have a look what the booklet for
XYZ(62.5031, 34.9062, 98.0510)
contains.

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Color

**XYZ(62.5385, 34.9770,
98.0628)**

Conversions

Conversions Part 1

Format	Color
Hex	FF55FF
RGB	255, 85, 255
RGB Percent	100%, 33%, 100%
CMY	0.0000, 0.6666, 0.0000
CMYK	0.00, 0.67, 0.00, 0.00
HSL	300°, 100%, 67%
HSV	300°, 67%, 100%
XYZ	62.5385, 34.9770, 98.0628
YIQ	155.2100, 46.7500, 88.9100

Conversions

Conversions Part 2

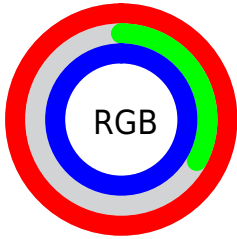
Format	Color
R _Y B	255, 85, 255
Decimal	16733695
CIE Lab	65.73, 82.60, -52.23
CIE LCh	66, 97.723, 327.694
Yxy	34.9770, 0.3198, 0.1788
Android (android.graphics.Color)	4294923775 (0xFFFF55FF)
YUV	155.2100, 49.1965, 87.5158
Hunter-Lab	59.1414, 85.2559, -56.9103

Details

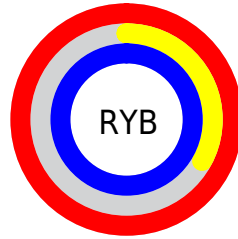
The XYZ color **62.5385, 34.9770, 98.0628** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **41.1470, 74.1077, 20.7315**, and the grayscale version is **31.0248, 32.6405, 35.5455**.

A 20% lighter version of the original color is **69.5689, 49.0378, 100.4063**, and **32.4412, 15.5466, 54.7170** is the 20% darker color. If you saturate the color by 10%, you get **60.8802, 31.6604, 97.5101**, and if you desaturate by 10%, it is **64.9209, 39.7418, 98.8570**.

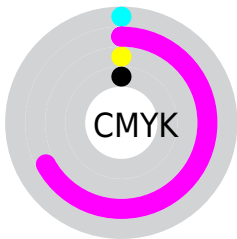
Distribution



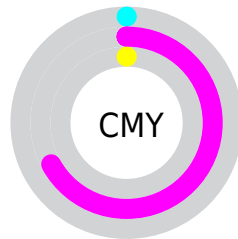
- Red (100%)
- Green (33%)
- Blue (100%)



- Red (100%)
- Yellow (33%)
- Blue (100%)



- Cyan (0%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.5385, 34.9770, 98.0628 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 62.5385, 34.9770, 98.0628 by changing the saturation by 10% instead.


 62.5385, 34.9770,
98.0628

 62.5385, 34.9770,
98.0628

423.5790,
324.4668, 575.1573


 45.7252, 23.6452,
74.0758

 107.5890, 67.4501,
160.5211


 32.2327, 15.0706,
54.3590


 136.5569, 89.3602,
199.8294

 21.6957, 8.8690,
38.4936


 170.3071,
115.5652, 245.0820

 13.7489, 4.6558,
26.0612

 209.2048,
146.4494, 296.6974

 8.0267, 2.0468,
16.6433

253.6155,
182.3973, 355.0941

 4.1640, 0.6344,
9.8212

303.9046,

 1.7953, 0.0000,

223.7932, 420.6906

5.1765

360.4373,
271.0216, 493.9055

■ 0.5149, 0.0000,
2.2907

■ 0.0000, 0.0000,
0.7260

■ 62.5385, 34.9770,
98.0628

■ 62.5385, 34.9770,
98.0628

■ 60.8802, 31.6604,
97.5101

■ 64.9209, 39.7418,
98.8570

■ 59.8623, 29.6245,
97.1708

■ 68.0953, 46.0905,
99.9151

■ 59.3823, 28.6647,
97.0108

■ 72.1238, 54.1476,
101.2579

■ 59.2900, 28.4800,
96.9800

■ 77.0620, 64.0240,
102.9040

■ 82.9607, 75.8213,
104.8702

■ 89.8668, 89.6337,
107.1723

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.



47.8309, 34.9770, 160.1363



62.5385, 34.9770, 98.0628



69.2577, 34.9770, 41.3622

Triad

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



62.5385, 34.9770, 98.0628



34.3703, 34.9770, 1.1027



14.2723, 34.9770, 88.0498

Complementary

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



62.5385, 34.9770, 98.0628



41.1470, 74.1077, 20.7315

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.



12.5553, 34.9770, 34.9838



62.5385, 34.9770, 98.0628



21.9734, 34.9770, 2.1895

Square

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



62.5385, 34.9770, 98.0628



50.3307, 34.9770, 2.6996



14.9153, 34.9770, 9.4942



20.5425, 34.9770, 151.9730

Rectangle

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



62.5385, 34.9770, 98.0628



67.1806, 34.9770, 18.7219



14.9153, 34.9770, 9.4942



13.2395, 34.9770, 67.5973

Sweetspot

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



62.5391, 34.9782, 98.0630



80.8829, 71.6657, 104.1776



25.0462, 15.6499, 96.3084



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.



62.5391, 34.9782, 98.0630



60.4738, 30.8477, 97.3746



51.7452, 30.6607, 41.2230



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.



62.5391, 34.9782, 98.0630



60.4738, 30.8477, 97.3746



46.7631, 76.3541, 50.3053



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 62.5385, 34.9770, 98.0628 looks on a white background.

Color Contrast Check

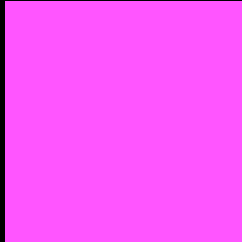
Large Text (above 18pt) WCAG AA × Fail

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 62.5385, 34.9770, 98.0628 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 62.5385, 34.9770, 98.0628

Background



This preview shows how black text looks on a background with the XYZ color 62.5385, 34.9770, 98.0628.



This preview shows how white text looks on a background with the XYZ color 62.5385, 34.9770,

98.0628.

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

62.5385, 34.9770, 98.0628

Protanopia

37.8527, 35.3270, 99.4315

Deuteranopia

36.1835, 35.1893, 89.6792



Tritanopia

47.6481, 34.7820, 26.0321

Trichromacy



Original Color

62.5385, 34.9770, 98.0628



Protanomaly

42.5285, 31.8876, 98.5212



Deuteranomaly

41.1882, 31.5428, 91.9132

Tritanomaly

51.5178, 33.9190, 45.4267

Monochromacy



Original Color

62.5385, 34.9770, 98.0628



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

38.8725, 30.8032, 53.1870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.5385, 34.9770, 98.0628 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, 85, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 85, 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, 85, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 85, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.5385, 34.9770, 98.0628 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, 85, 255) }
```


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

```
.border{ border-color:rgb(255, 85, 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, 85, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 85, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 85, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 85,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.5385, 34.9770, 98.0628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 85, 255) }
```

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

```
.background{ background-color: rgb(255, 85,  
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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