

Converting Colors

XYZ(48.7909, 26.1751, 35.8511)

Have a look what the booklet for
XYZ(48.7909, 26.1751, 35.8511)
contains.

XYZ(48.7690, 26.1657, 35.7378)	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(48.7690, 26.1657,
35.7378)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33A0
RGB	255, 51, 160
RGB Percent	100%, 20%, 63%
CMY	0.0000, 0.7999, 0.3725
CMYK	0.00, 0.80, 0.37, 0.00
HSL	328°, 100%, 60%
HSV	328°, 80%, 100%
XYZ	48.7690, 26.1657, 35.7378
YIQ	124.4220, 86.5950, 77.1470

Conversions

Conversions Part 2

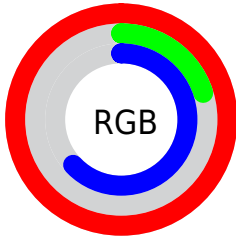
Format	Color
R _Y B	255, 51, 160
Decimal	16724896
CIE _{Lab}	58.19, 80.49, -10.04
CIE _{LCh}	58, 81.109, 352.890
Y _{xy}	26.1657, 0.4407, 0.2364
Android (android.graphics.Color)	4294914976 (0xFFFF33A0)
YUV	124.4220, 17.5400, 114.5169
Hunter-Lab	51.1524, 80.6662, -5.6165

Details

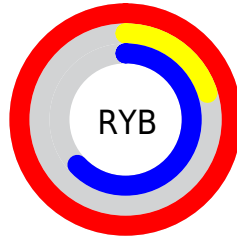
The XYZ color **48.7690, 26.1657, 35.7378** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **42.3156, 74.3000, 39.3116**, and the grayscale version is **19.2245, 20.2257, 22.0257**.

A 20% lighter version of the original color is **60.1026, 39.3599, 68.7195**, and **24.7526, 12.4416, 15.5649** is the 20% darker color. If you saturate the color by 10%, you get **46.9539, 24.1196, 30.2495**, and if you desaturate by 10%, it is **51.2947, 29.4741, 41.9530**.

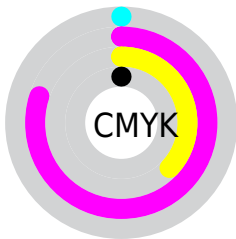
Distribution



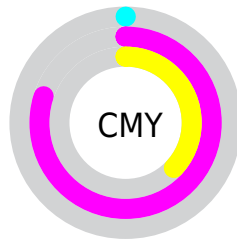
- Red (100%)
- Green (20%)
- Blue (63%)



- Red (100%)
- Yellow (20%)
- Blue (63%)



- Cyan (0%)
- Magenta (80%)
- Yellow (37%)
- Black (0%)





- Cyan (0%)
- Magenta (80%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7690, 26.1657, 35.7378 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 48.7690, 26.1657, 35.7378 by changing the saturation by 10% instead.


 48.7690, 26.1657,
35.7378


 48.7690, 26.1657,
35.7378


372.3643,
283.5945, 342.8157

 34.6501, 16.9476,
23.9437


 87.5511, 53.5421,
69.7917


 23.5587, 10.1972,
15.0800


 112.9449, 72.4693,
92.8885


 15.1295, 5.5299,
8.7283


 142.8277, 95.4016,
120.5899

 8.9973, 2.5614,
4.4700

 177.5649,
122.7235, 153.3146

 4.7965, 0.9073,
1.8866

 217.5218,
154.8194, 191.4809

 2.1619, 0.0000,
0.4842

263.0637,

 0.7225, 0.0000,

192.0736, 235.5075

0.0000

314.5561,
234.8705, 285.8130

■ 0.0000, 0.0000,
0.0000

■ 48.7690, 26.1657,
35.7378

■ 48.7690, 26.1657,
35.7378

■ 46.9539, 24.1196,
30.2495

■ 51.2947, 29.4741,
41.9530

■ 45.7018, 23.0450,
25.4247

■ 54.6187, 34.2162,
48.9370

■ 45.7011, 23.0444,
25.4218

■ 58.8177, 40.5410,
56.7281

■ 63.9581, 48.5775,
65.3605

■ 70.0996, 58.4411,
74.8660

■ 77.2967, 70.2374,
85.2740

■ 85.5999, 84.0637,
96.6126

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.



43.2181, 26.1657, 75.2907



48.7690, 26.1657, 35.7378



46.6926, 26.1657, 12.1821

Triad

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



48.7690, 26.1657, 35.7378



18.2117, 26.1657, 2.0491



15.1108, 26.1657, 97.2442

Complementary

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



48.7690, 26.1657, 35.7378



42.3156, 74.3000, 39.3116

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.



11.1931, 26.1657, 55.1953



48.7690, 26.1657, 35.7378



12.6257, 26.1657, 6.7063

Square

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



48.7690, 26.1657, 35.7378



27.2861, 26.1657, 1.4527



10.4218, 26.1657, 22.2950



22.6004, 26.1657, 123.1977

Rectangle

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



48.7690, 26.1657, 35.7378



41.4693, 26.1657, 5.2336



10.4218, 26.1657, 22.2950



13.4225, 26.1657, 83.5796

Sweetspot

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



48.7697, 26.1671, 35.7382



74.2832, 65.2730, 80.9940



30.5292, 15.4117, 95.9734



15.3574, 13.0836, 16.5479



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.



48.7697, 26.1671, 35.7382



46.1578, 23.4043, 27.2807



43.2727, 23.9683, 6.7910



18.4151, 18.1493, 20.8030



23.9560, 12.0717, 13.6849



2.3877, 1.1975, 1.6232

Inverse Universe

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



48.7697, 26.1671, 35.7382



46.1578, 23.4043, 27.2807



53.5771, 78.8046, 98.6139



18.4151, 18.1493, 20.8030



23.9560, 12.0717, 13.6849



2.3877, 1.1975, 1.6232

Previews

White Background



This preview shows how the XYZ color 48.7690, 26.1657, 35.7378 looks on a white background.

Color Contrast Check

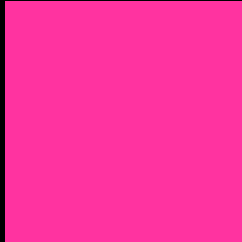
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.7690, 26.1657, 35.7378 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 × Fail

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

XYZ 48.7690, 26.1657, 35.7378

Background



This preview shows how black text looks on a background with the XYZ color 48.7690, 26.1657, 35.7378.



This preview shows how white text looks on a background with the XYZ color 48.7690, 26.1657,

35.7378.

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

48.7690, 26.1657, 35.7378

Protanopia

28.2950, 26.6315, 69.2947

Deuteranopia

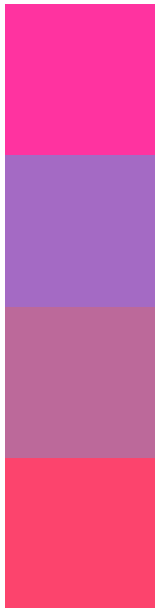
26.7036, 26.1999, 32.5038



Tritanopia

43.5262, 26.2109, 10.3545

Trichromacy



Original Color

48.7690, 26.1657, 35.7378

Protanomaly

30.4277, 22.1861, 54.9032

Deuteranomaly

31.6233, 23.1276, 33.3692

Tritanomaly

44.9723, 25.9338, 17.1034

Monochromacy



Original Color

48.7690, 26.1657, 35.7378

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

25.8033, 19.1262, 25.9987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7690, 26.1657, 35.7378 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, 51, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 160)  
}
```

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, 51, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 160) }
```

Border

The CSS property to change the border of an element to XYZ 48.7690, 26.1657, 35.7378 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, 51, 160) }
```


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

```
.border{ border-color:rgb(255, 51, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7690, 26.1657, 35.7378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 160) }
```

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

```
.background{ background-color: rgb(255, 51,  
160) }
```

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