

Converting Colors

XYZ(48.6746, 26.3261, 45.3005)

Have a look what the booklet for
XYZ(48.6746, 26.3261, 45.3005)
contains.

XYZ(48.6667, 26.3207, 45.1632)	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(48.6667, 26.3207,
45.1632)**

Conversions

Conversions Part 1

Format	Color
Hex	F939B3
RGB	249, 57, 179
RGB Percent	98%, 22%, 70%
CMY	0.0235, 0.7764, 0.2980
CMYK	0.00, 0.77, 0.28, 0.02
HSL	322°, 94%, 60%
HSV	322°, 77%, 98%
XYZ	48.6667, 26.3207, 45.1632
YIQ	128.3160, 75.2700, 78.6460

Conversions

Conversions Part 2

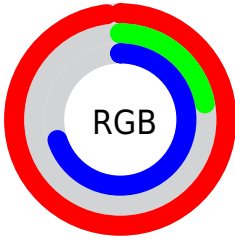
Format	Color
R _Y B	249, 57, 179
Decimal	16333235
CIE Lab	58.34, 79.58, -20.98
CIE LCh	58, 82.295, 345.229
Yxy	26.3207, 0.4050, 0.2191
Android (android.graphics.Color)	4294523315 (0xFFFF939B3)
YUV	128.3160, 24.9872, 105.8399
Hunter-Lab	51.3037, 79.5436, -16.2810

Details

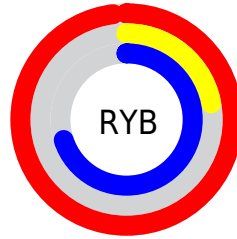
The XYZ color **48.6667, 26.3207, 45.1632** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **39.3955, 70.1544, 31.5482**, and the grayscale version is **20.5274, 21.5964, 23.5185**.

A 20% lighter version of the original color is **63.3184, 41.4241, 83.2557**, and **24.5049, 12.1977, 20.8015** is the 20% darker color. If you saturate the color by 10%, you get **46.8348, 24.0783, 40.1705**, and if you desaturate by 10%, it is **51.1634, 29.7957, 50.6762**.

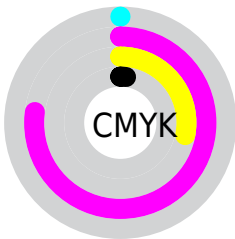
Distribution



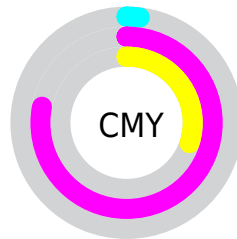
- Red (98%)
- Green (22%)
- Blue (70%)



- Red (98%)
- Yellow (22%)
- Blue (70%)



- Cyan (0%)
- Magenta (77%)
- Yellow (28%)
- Black (2%)





- Cyan (2%)
- Magenta (78%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6667, 26.3207, 45.1632 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 48.6667, 26.3207, 45.1632 by changing the saturation by 10% instead.


 48.6667, 26.3207,
45.1632

 48.6667, 26.3207,
45.1632


371.9675,
284.3528, 383.6135


 34.5686, 17.0637,
31.2421


 87.3999, 53.7919,
84.2863


 23.4957, 10.2799,
20.5233


 112.7658, 72.7748,
110.3254


 15.0827, 5.5850,
12.5881


 142.6183, 95.7686,
141.2409

 8.9641, 2.5944,
7.0182

 177.3227,
123.1575, 177.4513

 4.7747, 0.9238,
3.3949

 217.2445,
155.3260, 219.3753

 2.1491, 0.0000,
1.2996

262.7490,

 0.7157, 0.0000,

192.6584, 267.4313

0.0615

314.2015,
235.5393, 322.0378

■ 0.0000, 0.0000,
0.0000

■ 48.6667, 26.3207,
45.1632

■ 48.6667, 26.3207,
45.1632

■ 46.8348, 24.0783,
40.1705

■ 51.1634, 29.7957,
50.6762

■ 45.5644, 22.8640,
35.6573

■ 54.4015, 34.6549,
56.7400

■ 45.2568, 22.6157,
34.4237

■ 58.4489, 41.0326,
63.3829

■ 63.3651, 49.0459,
70.6298

■ 69.2037, 58.8002,
78.5038

76.0138, 70.3923,
87.0262

83.8409, 83.9117,
96.2172

92.3391, 98.6646,
105.9661

92.8770, 98.8798,
108.7983

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.3473, 26.3207, 87.7669



48.6667, 26.3207, 45.1632



48.6047, 26.3207, 16.4668

Triad

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



48.6667, 26.3207, 45.1632



20.2879, 26.3207, 1.5786



13.7494, 26.3207, 88.4251

Complementary

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



48.6667, 26.3207, 45.1632



39.3955, 70.1544, 31.5482

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.



10.6469, 26.3207, 45.7416



48.6667, 26.3207, 45.1632



13.6766, 26.3207, 4.7113

Square

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



48.6667, 26.3207, 45.1632



30.2603, 26.3207, 1.5621



10.6244, 26.3207, 16.7625



20.4174, 26.3207, 122.0340

Rectangle

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



48.6667, 26.3207, 45.1632



44.2961, 26.3207, 7.1535



10.6244, 26.3207, 16.7625



12.3442, 26.3207, 73.7511

Sweetspot

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



48.6675, 26.3221, 45.1637



75.8551, 66.8164, 86.4516



26.9052, 14.0679, 90.9199



15.7018, 13.3961, 17.8224



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.



48.6675, 26.3221, 45.1637



48.5715, 24.5348, 39.4824



42.2029, 23.7363, 11.1217



17.7088, 17.4109, 20.3223



24.2959, 12.1341, 18.7986



2.3011, 1.1442, 2.0091

Inverse Universe

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



48.6675, 26.3221, 45.1637



48.5715, 24.5348, 39.4824



48.5089, 73.7997, 79.5387



17.7088, 17.4109, 20.3223



24.2959, 12.1341, 18.7986



2.3011, 1.1442, 2.0091

Previews

White Background



This preview shows how the XYZ color 48.6667, 26.3207, 45.1632 looks on a white background.

Color Contrast Check

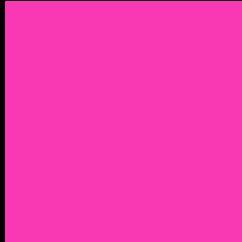
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.6667, 26.3207, 45.1632 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 48.6667, 26.3207, 45.1632

Background



This preview shows how black text looks on a background with the XYZ color 48.6667, 26.3207, 45.1632.



This preview shows how white text looks on a background with the XYZ color 48.6667, 26.3207,

45.1632.

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

48.6667, 26.3207, 45.1632

Protanopia

29.4153, 26.6610, 84.4847

Deuteranopia

26.9223, 26.3313, 41.1996



Tritanopia

41.8341, 26.2882, 12.7668

Trichromacy



Original Color

48.6667, 26.3207, 45.1632



Protanomaly

31.0238, 22.5072, 68.3548



Deuteranomaly

31.7278, 23.4456, 42.3884



Tritanomaly

43.7474, 25.8747, 21.4275

Monochromacy



Original Color

48.6667, 26.3207, 45.1632



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

27.0311, 20.3800, 30.1128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6667, 26.3207, 45.1632 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(249, 57, 179)` looks like.

```
.text, #text, p{  
    color:rgb(249, 57, 179)  
}
```

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(249, 57, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 57, 179) }
```

Border

The CSS property to change the border of an element to XYZ 48.6667, 26.3207, 45.1632 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(249, 57, 179) }
```


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

```
.border{ border-color:rgb(249, 57, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 57, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 57, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 57, 179);  
box-shadow:4px 4px 4px 4px rgb(249, 57,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6667, 26.3207, 45.1632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 57, 179) }
```

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

```
.background{ background-color: rgb(249, 57,  
179) }
```

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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