

Converting Colors

XYZ(50.8405, 26.3103, 48.7551)

Have a look what the booklet for
XYZ(50.8405, 26.3103, 48.7551)
contains.

XYZ(50.8617, 26.3228, 48.8545)	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(50.8617, 26.3228,
48.8545)**

Conversions

Conversions Part 1

Format	Color
Hex	FF28BA
RGB	255, 40, 186
RGB Percent	100%, 16%, 73%
CMY	0.0000, 0.8431, 0.2706
CMYK	0.00, 0.84, 0.27, 0.00
HSL	319°, 100%, 58%
HSV	319°, 84%, 100%
XYZ	50.8617, 26.3228, 48.8545
YIQ	120.9290, 81.2740, 90.9860

Conversions

Conversions Part 2

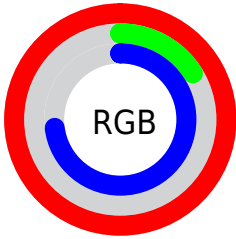
Format	Color
R_{YB}	255, 40, 186
Decimal	16722106
CIE _{Lab}	58.34, 85.49, -24.94
CIE _{LCh}	58, 89.055, 343.739
Yxy	26.3228, 0.4035, 0.2088
Android (android.graphics.Color)	4294912186 (0xFFFF28BA)
YUV	120.9290, 32.0800, 117.5803
Hunter-Lab	51.3058, 87.1700, -20.5433

Details

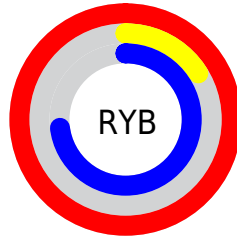
The XYZ color **50.8617, 26.3228, 48.8545** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **39.3973, 73.0761, 26.5024**, and the grayscale version is **18.0359, 18.9752, 20.6639**.

A 20% lighter version of the original color is **63.2843, 39.7054, 88.3329**, and **26.2260, 13.0309, 23.3233** is the 20% darker color. If you saturate the color by 10%, you get **49.4215, 24.7952, 44.2038**, and if you desaturate by 10%, it is **52.9187, 29.0040, 53.9571**.

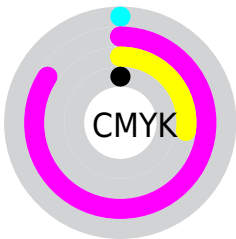
Distribution



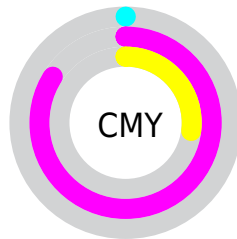
- Red (100%)
- Green (16%)
- Blue (73%)



- Red (100%)
- Yellow (16%)
- Blue (73%)



- Cyan (0%)
- Magenta (84%)
- Yellow (27%)
- Black (0%)





- Cyan (0%)
- Magenta (84%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8617, 26.3228, 48.8545 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 50.8617, 26.3228, 48.8545 by changing the saturation by 10% instead.


 50.8617, 26.3228,
48.8545


 50.8617, 26.3228,
48.8545

380.4227,
284.3631, 398.7752

 36.3192, 17.0653,
34.1393


 90.6345, 53.7952,
89.8541


 24.8520, 10.2810,
22.7224


 116.5955, 72.7790,
116.9755


 16.0950, 5.5857,
14.1853


 147.0933, 95.7735,
149.0694

 9.6827, 2.5948,
8.1094

 182.4934,
123.1634, 186.5544

 5.2497, 0.9241,
4.0763

 223.1610,
155.3328, 229.8489

 2.4308, 0.0000,
1.6673

269.4615,

 0.8605, 0.0000,

192.6664, 279.3715

0.3382

321.7603,
235.5483, 335.5408

■ 0.0000, 0.0000,
0.0000

■ 50.8617, 26.3228,
48.8545

■ 50.8617, 26.3228,
48.8545

■ 49.4215, 24.7952,
44.2038

■ 52.9187, 29.0040,
53.9571

■ 48.7979, 24.2831,
41.7292

■ 55.6873, 33.0275,
59.5466

■ 59.2476, 38.5520,
65.6538

■ 63.6679, 45.7129,
72.3051

■ 69.0088, 54.6305,
79.5247

■ 75.3255, 65.4135,
87.3345

■ 82.6685, 78.1621,
95.7548

■ 91.0847, 92.9690,
104.8049

■ 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.



42.3892, 26.3228, 97.1147



50.8617, 26.3228, 48.8545



51.2440, 26.3228, 16.6853

Triad

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



50.8617, 26.3228, 48.8545



20.3847, 26.3228, 0.9847



12.7717, 26.3228, 92.9803

Complementary

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



50.8617, 26.3228, 48.8545



39.3973, 73.0761, 26.5024

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.



9.7343, 26.3228, 45.3192



50.8617, 26.3228, 48.8545



13.1909, 26.3228, 3.5402

Square

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



50.8617, 26.3228, 48.8545



31.3263, 26.3228, 1.0584



9.8615, 26.3228, 14.9764



19.6209, 26.3228, 132.7675

Rectangle

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



50.8617, 26.3228, 48.8545



46.6829, 26.3228, 6.6379



9.8615, 26.3228, 14.9764



11.3728, 26.3228, 76.2920

Sweetspot

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



50.8625, 26.3242, 48.8550



74.8542, 64.6023, 86.7726



25.0057, 11.9333, 95.5931



15.5277, 12.9799, 17.9741



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.



50.8625, 26.3242, 48.8550



48.7979, 24.2831, 41.7292



43.4266, 23.3498, 9.6983



18.5301, 18.1953, 21.4084



25.5691, 12.7169, 22.1791



2.5395, 1.2582, 2.4224

Inverse Universe

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



50.8625, 26.3242, 48.8550



48.7979, 24.2831, 41.7292



48.9772, 76.9081, 76.9496



18.5301, 18.1953, 21.4084



25.5691, 12.7169, 22.1791



2.5395, 1.2582, 2.4224

Previews

White Background



This preview shows how the XYZ color 50.8617, 26.3228, 48.8545 looks on a white background.

Color Contrast Check

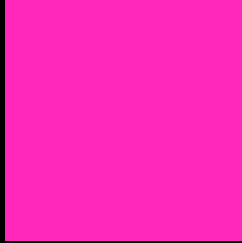
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.8617, 26.3228, 48.8545 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 50.8617, 26.3228, 48.8545

Background



This preview shows how black text looks on a background with the XYZ color 50.8617, 26.3228, 48.8545.



This preview shows how white text looks on a background with the XYZ color 50.8617, 26.3228,

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

50.8617, 26.3228, 48.8545

Protanopia

30.5629, 26.9503, 98.1988

Deuteranopia

27.1429, 26.5905, 44.2593



Tritanopia

42.8661, 26.1674, 11.3858

Trichromacy



Original Color

50.8617, 26.3228, 48.8545



Protanomaly

30.8884, 21.3269, 77.3514



Deuteranomaly

31.7104, 22.4607, 45.3119



Tritanomaly

44.8275, 25.5097, 20.9736

Monochromacy



Original Color

50.8617, 26.3228, 48.8545



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

25.5155, 18.2447, 28.9648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8617, 26.3228, 48.8545 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, 40, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 40, 186)  
}
```

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, 40, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 40, 186) }
```

Border

The CSS property to change the border of an element to XYZ 50.8617, 26.3228, 48.8545 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, 40, 186) }
```


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

```
.border{ border-color:rgb(255, 40, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 40, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 40, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 40, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 40,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8617, 26.3228, 48.8545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 40, 186) }
```

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

```
.background{ background-color: rgb(255, 40,  
186) }
```

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