

Converting Colors

XYZ(50.6815, 26.9299, 45.8113)

Have a look what the booklet for
XYZ(50.6815, 26.9299, 45.8113)
contains.

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Color

**XYZ(50.6620, 26.9229,
45.7065)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33B4
RGB	255, 51, 180
RGB Percent	100%, 20%, 71%
CMY	0.0000, 0.7999, 0.2941
CMYK	0.00, 0.80, 0.29, 0.00
HSL	322°, 100%, 60%
HSV	322°, 80%, 100%
XYZ	50.6620, 26.9229, 45.7065
YIQ	126.7020, 80.1750, 83.3670

Conversions

Conversions Part 2

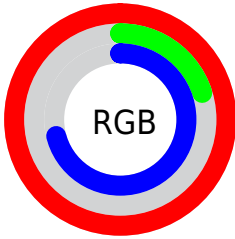
Format	Color
R _Y B	255, 51, 180
Decimal	16724916
CIE Lab	58.90, 82.54, -20.61
CIE LCh	59, 85.077, 345.982
Yxy	26.9229, 0.4109, 0.2184
Android (android.graphics.Color)	4294914996 (0xFFFF33B4)
YUV	126.7020, 26.2759, 112.5173
Hunter-Lab	51.8873, 83.4821, -15.9063

Details

The XYZ color **50.6620, 26.9229, 45.7065** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **40.8929, 73.7310, 31.8200**, and the grayscale version is **19.9669, 21.0067, 22.8763**.

A 20% lighter version of the original color is **63.0968, 40.7491, 83.8967**, and **25.8231, 12.8698, 21.2018** is the 20% darker color. If you saturate the color by 10%, you get **48.9137, 24.9035, 40.5697**, and if you desaturate by 10%, it is **53.0863, 30.1907, 51.3879**.

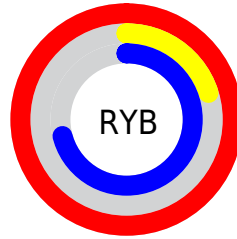
Distribution



Red (100%)

Green (20%)

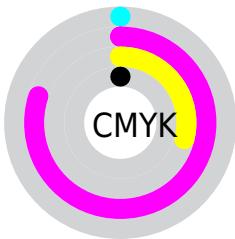
Blue (71%)



Red (100%)

Yellow (20%)

Blue (71%)

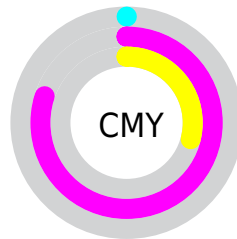


Cyan (0%)

Magenta (80%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6620, 26.9229, 45.7065 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 50.6620, 26.9229, 45.7065 by changing the saturation by 10% instead.


 50.6620, 26.9229,
45.7065

 50.6620, 26.9229,
45.7065

379.6585,
287.2836, 385.8707

 36.1596, 17.5153,
31.6673


 90.3409, 54.7601,
85.1092


 24.7282, 10.6026,
20.8448


 116.2482, 73.9586,
111.3098


 16.0023, 5.8003,
12.8205


 146.6878, 97.1894,
142.4013

 9.6166, 2.7240,
7.1758

 182.0251,
124.8371, 178.8022

 5.2058, 0.9894,
3.4921

 222.6255,
157.2859, 220.9310

 2.4045, 0.0000,
1.3511

268.8543,

 0.8474, 0.0000,

194.9204, 269.2063

0.1031

321.0768,
238.1248, 324.0467

■ 0.0000, 0.0000,
0.0000

■ 50.6620, 26.9229,
45.7065

■ 50.6620, 26.9229,
45.7065

■ 48.9137, 24.9035,
40.5697

■ 53.0863, 30.1907,
51.3879

■ 47.6952, 23.8423,
35.9217

■ 56.2729, 34.8778,
57.6480

■ 47.6945, 23.8418,
35.9190

■ 60.2970, 41.1326,
64.5181

■ 65.2237, 49.0836,
72.0257

■ 71.1116, 58.8457,
80.1957

■ 78.0139, 70.5241,
89.0516

■ 85.9800, 84.2155,
98.6150

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.



43.0677, 26.9229, 90.8146



50.6620, 26.9229, 45.7065



50.3796, 26.9229, 16.0812

Triad

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



50.6620, 26.9229, 45.7065



20.4139, 26.9229, 1.4453



13.9492, 26.9229, 93.8316

Complementary

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



50.6620, 26.9229, 45.7065



40.8929, 73.7310, 31.8200

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.



10.6525, 26.9229, 48.3346



50.6620, 26.9229, 45.7065



13.6246, 26.9229, 4.6732

Square

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



50.6620, 26.9229, 45.7065



30.8089, 26.9229, 1.3772



10.5527, 26.9229, 17.4012



20.9954, 26.9229, 129.1069

Rectangle

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



50.6620, 26.9229, 45.7065



45.6978, 26.9229, 6.7506



10.5527, 26.9229, 17.4012



12.4622, 26.9229, 78.2282

Sweetspot

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



50.6628, 26.9243, 45.7070



75.1237, 65.6092, 85.4200



27.8107, 14.0102, 95.8462



15.5595, 13.1645, 17.6123



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.



50.6628, 26.9243, 45.7070



48.1417, 24.1978, 37.7276



43.8073, 24.1821, 9.6066



18.4927, 18.1804, 21.2118



24.9958, 12.4876, 19.1604



2.4864, 1.2370, 2.1430

Inverse Universe

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



50.6628, 26.9243, 45.7070



48.1417, 24.1978, 37.7276



51.1021, 77.8147, 85.5812



18.4927, 18.1804, 21.2118



24.9958, 12.4876, 19.1604



2.4864, 1.2370, 2.1430

Previews

White Background



This preview shows how the XYZ color 50.6620, 26.9229, 45.7065 looks on a white background.

Color Contrast Check

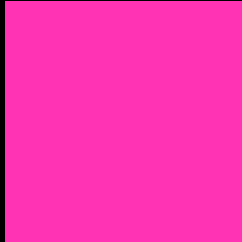
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.6620, 26.9229, 45.7065 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 50.6620, 26.9229, 45.7065

Background



This preview shows how black text looks on a background with the XYZ color 50.6620, 26.9229, 45.7065.



This preview shows how white text looks on a background with the XYZ color 50.6620, 26.9229,

45.7065.

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

50.6620, 26.9229, 45.7065

Protanopia

30.3400, 27.4777, 88.4987

Deuteranopia

27.5494, 27.0806, 41.3112



Tritanopia

43.5661, 26.8476, 12.1184

Trichromacy



Original Color

50.6620, 26.9229, 45.7065



Protanomaly

31.5024, 22.5527, 70.4029



Deuteranomaly

32.3290, 23.5998, 42.3865



Tritanomaly

45.4881, 26.3962, 20.7866

Monochromacy



Original Color

50.6620, 26.9229, 45.7065



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

27.1057, 19.9977, 29.6254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6620, 26.9229, 45.7065 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 180) }
```

Border

The CSS property to change the border of an element to XYZ 50.6620, 26.9229, 45.7065 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, 180) }
```


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

```
.border{ border-color:rgb(255, 51, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6620, 26.9229, 45.7065 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, 180) }
```

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

```
.background{ background-color: rgb(255, 51,  
180) }
```

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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