

Converting Colors

XYZ(50.1671, 26.7250, 43.1002)

Have a look what the booklet for
XYZ(50.1671, 26.7250, 43.1002)
contains.

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Color

**XYZ(50.1617, 26.7228,
43.0716)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33AF
RGB	255, 51, 175
RGB Percent	100%, 20%, 69%
CMY	0.0000, 0.7999, 0.3137
CMYK	0.00, 0.80, 0.31, 0.00
HSL	324°, 100%, 60%
HSV	324°, 80%, 100%
XYZ	50.1617, 26.7228, 43.0716
YIQ	126.1320, 81.7800, 81.8120

Conversions

Conversions Part 2

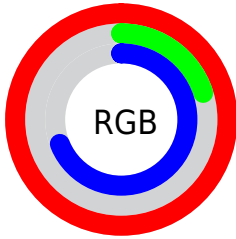
Format	Color
R _Y B	255, 51, 175
Decimal	16724911
CIE Lab	58.72, 82.01, -17.99
CIE LCh	59, 83.957, 347.624
Yxy	26.7228, 0.4182, 0.2228
Android (android.graphics.Color)	4294914991 (0xFFFF33AF)
YUV	126.1320, 24.0919, 113.0172
Hunter-Lab	51.6941, 82.7439, -13.2146

Details

The XYZ color **50.1617, 26.7228, 43.0716** 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 **41.2238, 73.8633, 33.5626**, and the grayscale version is **19.7798, 20.8099, 22.6620**.

A 20% lighter version of the original color is **62.3803, 40.4625, 80.1235**, and **25.5052, 12.7426, 19.5276** is the 20% darker color. If you saturate the color by 10%, you get **48.3903, 24.6941, 37.8131**, and if you desaturate by 10%, it is **52.6172, 30.0031, 48.9175**.

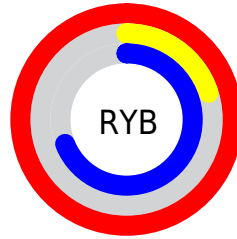
Distribution



Red (100%)

Green (20%)

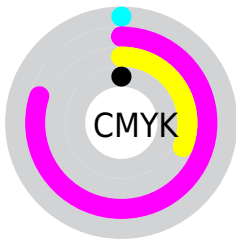
Blue (69%)



Red (100%)

Yellow (20%)

Blue (69%)

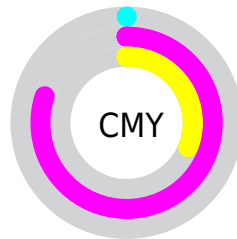


Cyan (0%)

Magenta (80%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1617, 26.7228, 43.0716 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 50.1617, 26.7228, 43.0716 by changing the saturation by 10% instead.

 50.1617, 26.7228,
43.0716


 50.1617, 26.7228,
43.0716


377.7395,
286.3125, 374.8360


 35.7602, 17.3651,
29.6095


 89.6048, 54.4387,
81.1064


 24.4183, 10.4952,
19.2928


 115.3771, 73.5658,
106.5162


 15.7706, 5.7285,
11.7031


 145.6705, 96.7181,
136.7456

 9.4518, 2.6807,
6.4218

 180.8501,
124.2801, 172.2132

 5.0965, 0.9674,
3.0303

 221.2815,
156.6361, 213.3375

 2.3393, 0.0000,
1.1101

267.3300,

 0.8147, 0.0000,

194.1706, 260.5370

0.0000

319.3609,
237.2679, 314.2303

■ 0.0000, 0.0000,
0.0000

■ 50.1617, 26.7228,
43.0716

■ 50.1617, 26.7228,
43.0716

■ 48.3903, 24.6941,
37.8131

■ 52.6172, 30.0031,
48.9175

■ 47.1565, 23.6269,
33.0849

■ 55.8435, 34.7061,
55.3865

■ 47.1558, 23.6263,
33.0820

■ 59.9159, 40.9803,
62.5113

■ 64.9000, 48.9542,
70.3207

■ 70.8544, 58.7430,
78.8411

■ 77.8327, 70.4518,
88.0972

■ 85.8846, 84.1775,
98.1119

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.



43.0812, 26.7228, 86.7481



50.1617, 26.7228, 43.0716



49.4243, 26.7228, 15.0473

Triad

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



50.1617, 26.7228, 43.0716



19.8471, 26.7228, 1.5823



14.2256, 26.7228, 94.6045

Complementary

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



50.1617, 26.7228, 43.0716



41.2238, 73.8633, 33.5626

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.



10.7816, 26.7228, 49.9436



50.1617, 26.7228, 43.0716



13.3694, 26.7228, 5.1301

Square

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



50.1617, 26.7228, 43.0716



29.8988, 26.7228, 1.3965



10.5179, 26.7228, 18.5277



21.3753, 26.7228, 127.5437

Rectangle

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



50.1617, 26.7228, 43.0716



44.6043, 26.7228, 6.3521



10.5179, 26.7228, 18.5277



12.6911, 26.7228, 79.4770

Sweetspot

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



50.1624, 26.7242, 43.0721



74.9109, 65.5240, 84.2992



28.3197, 14.2726, 95.8700



15.5082, 13.1440, 17.3421



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.



50.1624, 26.7242, 43.0721



47.6081, 23.9844, 34.9179



43.6882, 24.1345, 8.9791



18.4732, 18.1726, 21.1091



24.7154, 12.3755, 17.6837



2.4602, 1.2264, 2.0047

Inverse Universe

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



50.1624, 26.7242, 43.0721



47.6081, 23.9844, 34.9179



51.5784, 78.0052, 88.0889



18.4732, 18.1726, 21.1091



24.7154, 12.3755, 17.6837



2.4602, 1.2264, 2.0047

Previews

White Background



This preview shows how the XYZ color 50.1617, 26.7228, 43.0716 looks on a white background.

Color Contrast Check

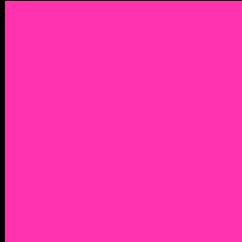
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.1617, 26.7228, 43.0716 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 50.1617, 26.7228, 43.0716

Background



This preview shows how black text looks on a background with the XYZ color 50.1617, 26.7228, 43.0716.



This preview shows how white text looks on a background with the XYZ color 50.1617, 26.7228,

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

50.1617, 26.7228, 43.0716

Protanopia

29.7414, 27.0581, 83.7760

Deuteranopia

27.2909, 26.7866, 38.8539



Tritanopia

43.6891, 26.6965, 11.6544

Trichromacy



Original Color

50.1617, 26.7228, 43.0716



Protanomaly

31.1963, 22.3312, 66.2845



Deuteranomaly

31.9891, 23.3256, 39.8621



Tritanomaly

45.2438, 26.1976, 19.8116

Monochromacy



Original Color

50.1617, 26.7228, 43.0716



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

26.7295, 19.8215, 28.8027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1617, 26.7228, 43.0716 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 175) }
```

Border

The CSS property to change the border of an element to XYZ 50.1617, 26.7228, 43.0716 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, 175) }
```


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

```
.border{ border-color:rgb(255, 51, 175) }
```

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, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1617, 26.7228, 43.0716 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, 175) }
```

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

```
.background{ background-color: rgb(255, 51,  
175) }
```

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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