

Converting Colors

XYZ(50.4042, 26.8198, 44.3487)

Have a look what the booklet for
XYZ(50.4042, 26.8198, 44.3487)
contains.

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Color

**XYZ(50.3596, 26.8020,
44.1140)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33B1
RGB	255, 51, 177
RGB Percent	100%, 20%, 69%
CMY	0.0000, 0.7999, 0.3059
CMYK	0.00, 0.80, 0.31, 0.00
HSL	323°, 100%, 60%
HSV	323°, 80%, 100%
XYZ	50.3596, 26.8020, 44.1140
YIQ	126.3600, 81.1380, 82.4340

Conversions

Conversions Part 2

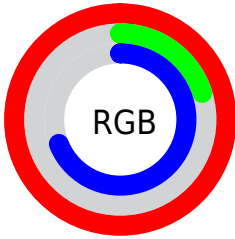
Format	Color
R_{YB}	255, 51, 177
Decimal	16724913
CIE _{Lab}	58.79, 82.22, -19.04
CIE _{LCh}	59, 84.396, 346.960
Yxy	26.8020, 0.4152, 0.2210
Android (android.graphics.Color)	4294914993 (0xFFFF33B1)
YUV	126.3600, 24.9655, 112.8173
Hunter-Lab	51.7706, 83.0362, -14.2818

Details

The XYZ color **50.3596, 26.8020, 44.1140** 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 **41.0896, 73.8096, 32.8556**, and the grayscale version is **19.8547, 20.8887, 22.7478**.

A 20% lighter version of the original color is **62.6645, 40.5761, 81.6200**, and **25.6304, 12.7927, 20.1871** is the 20% darker color. If you saturate the color by 10%, you get **48.5969, 24.7768, 38.9014**, and if you desaturate by 10%, it is **52.8032, 30.0776, 49.8966**.

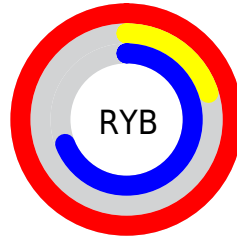
Distribution



Red (100%)

Green (20%)

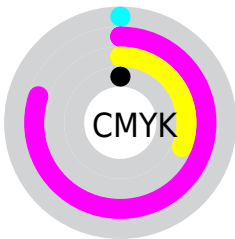
Blue (69%)



Red (100%)

Yellow (20%)

Blue (69%)

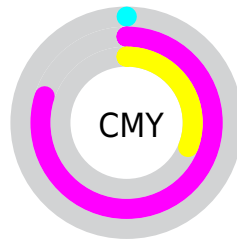


Cyan (0%)

Magenta (80%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3596, 26.8020, 44.1140 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 50.3596, 26.8020, 44.1140 by changing the saturation by 10% instead.

50.3596, 26.8020,
44.1140

50.3596, 26.8020,
44.1140

378.4993,
286.6972, 379.2282

35.9182, 17.4246,
30.4223

89.8961, 54.5660,
82.6936

24.5408, 10.5377,
19.9046

115.7219, 73.7213,
108.4185

15.8622, 5.7569,
12.1423

146.0731, 96.9048,
138.9916

9.5169, 2.6978,
6.7170

181.3152,
124.5007, 174.8314

5.1396, 0.9761,
3.2100

221.8136,
156.8935, 216.3564

2.3650, 0.0000,
1.2028

267.9334,

0.8276, 0.0000,

194.4676, 263.9852

0.0000

320.0402,
237.6073, 318.1363

■ 0.0000, 0.0000,
0.0000

■ 50.3596, 26.8020,
44.1140

■ 50.3596, 26.8020,
44.1140

■ 48.5969, 24.7768,
38.9014

■ 52.8032, 30.0776,
49.8966

■ 47.3687, 23.7118,
34.2023

■ 56.0140, 34.7744,
56.2844

■ 47.3680, 23.7112,
34.1993

■ 60.0676, 41.0411,
63.3094

■ 65.0291, 49.0059,
70.9997

■ 70.9571, 58.7843,
79.3814

■ 77.9053, 70.4810,
88.4784

■ 85.9230, 84.1931,
98.3132

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.



43.0738, 26.8020, 88.3595



50.3596, 26.8020, 44.1140



49.8036, 26.8020, 15.4561

Triad

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



50.3596, 26.8020, 44.1140



20.0725, 26.8020, 1.5264



14.1140, 26.8020, 94.2889

Complementary

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



50.3596, 26.8020, 44.1140



41.0896, 73.8096, 32.8556

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.



10.7295, 26.8020, 49.2919



50.3596, 26.8020, 44.1140



13.4711, 26.8020, 4.9435

Square

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



50.3596, 26.8020, 44.1140



30.2605, 26.8020, 1.3889



10.5317, 26.8020, 18.0698



21.2218, 26.8020, 128.1617

Rectangle

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



50.3596, 26.8020, 44.1140



45.0387, 26.8020, 6.5100



10.5317, 26.8020, 18.0698



12.5987, 26.8020, 78.9705

Sweetspot

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



50.3604, 26.8034, 44.1145



74.9958, 65.5580, 84.7463



27.8108, 14.0103, 95.8462



15.5287, 13.1521, 17.4498



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.



50.3604, 26.8034, 44.1145



47.8184, 24.0685, 36.0255



43.8074, 24.1822, 9.6068



18.4810, 18.1757, 21.1501



24.8259, 12.4197, 18.2655



2.4706, 1.2306, 2.0593

Inverse Universe

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



50.3604, 26.8034, 44.1145



47.8184, 24.0685, 36.0255



51.1022, 77.8147, 85.5813



18.4810, 18.1757, 21.1501



24.8259, 12.4197, 18.2655



2.4706, 1.2306, 2.0593

Previews

White Background



This preview shows how the XYZ color 50.3596, 26.8020, 44.1140 looks on a white background.

Color Contrast Check

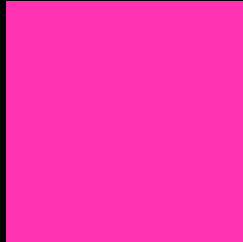
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.3596, 26.8020, 44.1140 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 50.3596, 26.8020, 44.1140

Background



This preview shows how black text looks on a background with the XYZ color 50.3596, 26.8020, 44.1140.



This preview shows how white text looks on a background with the XYZ color 50.3596, 26.8020,

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

50.3596, 26.8020, 44.1140

Protanopia

29.9582, 27.3499, 85.3614

Deuteranopia

27.4730, 26.8594, 39.8128



Tritanopia

43.4084, 26.6629, 11.6627

Trichromacy



Original Color

50.3596, 26.8020, 44.1140



Protanomaly

31.3627, 22.5412, 67.6636



Deuteranomaly

32.1769, 23.4007, 40.8511



Tritanomaly

45.3667, 26.3476, 20.1473

Monochromacy



Original Color

50.3596, 26.8020, 44.1140



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

26.8063, 19.8523, 29.2071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3596, 26.8020, 44.1140 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 177) }
```

Border

The CSS property to change the border of an element to XYZ 50.3596, 26.8020, 44.1140 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, 177) }
```


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

```
.border{ border-color:rgb(255, 51, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3596, 26.8020, 44.1140 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, 177) }
```

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

```
.background{ background-color: rgb(255, 51,  
177) }
```

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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