

Converting Colors

XYZ(68.2587, 36.1678, 41.0541)

Have a look what the booklet for
XYZ(68.2587, 36.1678, 41.0541)
contains.

XYZ(49.6294, 26.5806, 40.0509)	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(49.6294, 26.5806,
40.0509)**

Conversions

Conversions Part 1

Format	Color
Hex	FF34A9
RGB	255, 52, 169
RGB Percent	100%, 20%, 66%
CMY	0.0000, 0.7960, 0.3373
CMYK	0.00, 0.80, 0.34, 0.00
HSL	325°, 100%, 60%
HSV	325°, 80%, 100%
XYZ	49.6294, 26.5806, 40.0509
YIQ	126.0350, 83.4310, 79.4230

Conversions

Conversions Part 2

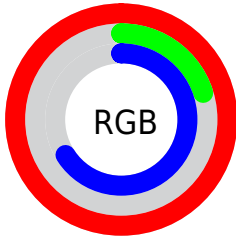
Format	Color
R _Y B	255, 52, 169
Decimal	16725161
CIE Lab	58.58, 81.14, -14.71
CIE LCh	59, 82.466, 349.727
Yxy	26.5806, 0.4269, 0.2286
Android (android.graphics.Color)	4294915241 (0xFFFF34A9)
YUV	126.0350, 21.1817, 113.1023
Hunter-Lab	51.5564, 81.6047, -9.9692

Details

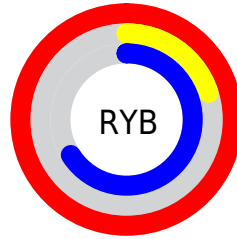
The XYZ color **49.6294, 26.5806, 40.0509** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **41.7657, 74.0859, 36.1497**, and the grayscale version is **19.7562, 20.7851, 22.6349**.

A 20% lighter version of the original color is **61.4110, 40.0748, 75.0195**, and **25.2032, 12.6218, 17.9375** is the 20% darker color. If you saturate the color by 10%, you get **47.8094, 24.4973, 34.6451**, and if you desaturate by 10%, it is **52.1484, 29.9277, 46.1036**.

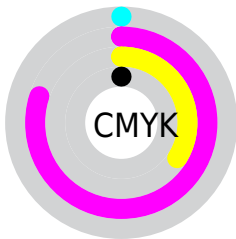
Distribution



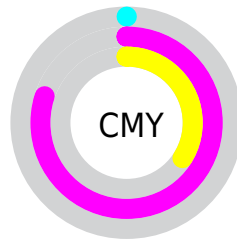
- Red (100%)
- Green (20%)
- Blue (66%)



- Red (100%)
- Yellow (20%)
- Blue (66%)



- Cyan (0%)
- Magenta (80%)
- Yellow (34%)
- Black (0%)





- Cyan (0%)
- Magenta (80%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6294, 26.5806, 40.0509 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 49.6294, 26.5806, 40.0509 by changing the saturation by 10% instead.


 49.6294, 26.5806,
40.0509


 49.6294, 26.5806,
40.0509

375.6909,
285.6207, 361.8965

 35.3356, 17.2585,
27.2641

 88.8206, 54.2101,
76.4790


 24.0892, 10.4190,
17.5375


 114.4488, 73.2863,
100.9573

 15.5249, 5.6776,
10.4525


 144.5858, 96.3827,
130.1700

 9.2773, 2.6501,
5.5905

 179.5970,
123.8836, 164.5355

 4.9811, 0.9519,
2.5330

 219.8478,
156.1735, 204.4723

 2.2708, 0.0000,
0.8576

265.7034,

 0.7797, 0.0000,

193.6367, 250.3991

0.0000

317.5294,
236.6576, 302.7343

■ 0.0000, 0.0000,
0.0000

■ 49.6294, 26.5806,
40.0509

■ 49.6294, 26.5806,
40.0509

■ 47.8094, 24.4973,
34.6451

■ 52.1484, 29.9277,
46.1036

■ 46.5484, 23.4010,
29.8291

■ 55.4528, 34.7082,
52.8410

■ 46.5035, 23.3654,
29.6471

■ 59.6179, 41.0699,
60.2977

■ 64.7092, 49.1411,
68.5046

■ 70.7857, 59.0365,
77.4901

■ 77.9012, 70.8610,
87.2805

■ 86.1053, 84.7115,
97.9006

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.



43.1905, 26.5806, 81.9189



49.6294, 26.5806, 40.0509



48.3399, 26.5806, 13.9221

Triad

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



49.6294, 26.5806, 40.0509



19.2534, 26.5806, 1.8019



14.6649, 26.5806, 95.6013

Complementary

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



49.6294, 26.5806, 40.0509



41.7657, 74.0859, 36.1497

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.



11.0263, 26.5806, 52.0978



49.6294, 26.5806, 40.0509



13.1441, 26.5806, 5.8074

Square

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



49.6294, 26.5806, 40.0509



28.8924, 26.5806, 1.4539



10.5560, 26.5806, 20.1040



21.9529, 26.5806, 125.5739

Rectangle

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



49.6294, 26.5806, 40.0509



43.3610, 26.5806, 5.9479



10.5560, 26.5806, 20.1040



13.0672, 26.5806, 81.1079

Sweetspot

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



49.6302, 26.5821, 40.0513



74.6401, 65.4157, 82.8732



29.5287, 14.9615, 95.9392



15.4431, 13.1179, 16.9990



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.



49.6302, 26.5821, 40.0513



46.9597, 23.7250, 31.5034



43.5408, 24.1463, 7.9850



18.4483, 18.1626, 20.9776



24.3753, 12.2394, 15.8929



2.4280, 1.2136, 1.8353

Inverse Universe

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



49.6302, 26.5821, 40.0513



46.9597, 23.7250, 31.5034



52.6221, 78.4285, 93.3189



18.4483, 18.1626, 20.9776



24.3753, 12.2394, 15.8929



2.4280, 1.2136, 1.8353

Previews

White Background



This preview shows how the XYZ color 49.6294, 26.5806, 40.0509 looks on a white background.

Color Contrast Check

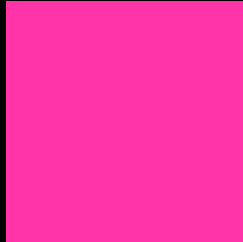
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.6294, 26.5806, 40.0509 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 49.6294, 26.5806, 40.0509

Background



This preview shows how black text looks on a background with the XYZ color 49.6294, 26.5806, 40.0509.



This preview shows how white text looks on a background with the XYZ color 49.6294, 26.5806,

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

49.6294, 26.5806, 40.0509

Protanopia

29.0359, 26.8426, 77.0496

Deuteranopia

27.2363, 26.5976, 36.4992



Tritanopia

43.5358, 26.5172, 11.2112

Trichromacy



Original Color

49.6294, 26.5806, 40.0509



Protanomaly

31.0174, 22.4940, 61.7385



Deuteranomaly

32.0146, 23.3915, 37.4780



Tritanomaly

45.0683, 26.1274, 18.8874

Monochromacy



Original Color

49.6294, 26.5806, 40.0509



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

26.5779, 19.7609, 28.0046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6294, 26.5806, 40.0509 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, 52, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 52, 169)  
}
```

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, 52, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 52, 169) }
```

Border

The CSS property to change the border of an element to XYZ 49.6294, 26.5806, 40.0509 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, 52, 169) }
```


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

```
.border{ border-color:rgb(255, 52, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 52, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 52, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 52, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 52,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6294, 26.5806, 40.0509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 52, 169) }
```

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

```
.background{ background-color: rgb(255, 52,  
169) }
```

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