

Converting Colors

XYZ(50.5506, 28.5809, 34.9598)

Have a look what the booklet for
XYZ(50.5506, 28.5809, 34.9598)
contains.

XYZ(49.5160, 28.0746, 34.7075)	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(49.5160, 28.0746,
34.7075)**

Conversions

Conversions Part 1

Format	Color
Hex	FF469D
RGB	255, 70, 157
RGB Percent	100%, 27%, 62%
CMY	0.0000, 0.7254, 0.3843
CMYK	0.00, 0.73, 0.38, 0.00
HSL	332°, 100%, 64%
HSV	332°, 73%, 100%
XYZ	49.5160, 28.0746, 34.7075
YIQ	135.2330, 82.3330, 66.2770

Conversions

Conversions Part 2

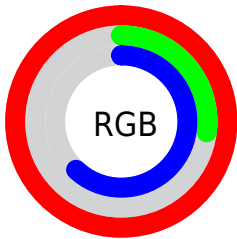
Format	Color
R_{YB}	255, 70, 157
Decimal	16729757
CIE _{Lab}	59.96, 74.92, -5.66
CIE _{LCh}	60, 75.137, 355.678
Yxy	28.0746, 0.4409, 0.2500
Android (android.graphics.Color)	4294919837 (0xFFFF469D)
YUV	135.2330, 10.7311, 105.0357
Hunter-Lab	52.9855, 74.0873, -1.7474

Details

The XYZ color **49.5160, 28.0746, 34.7075** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **45.3555, 75.6501, 49.2626**, and the grayscale version is **23.0574, 24.2581, 26.4171**.

A 20% lighter version of the original color is **61.2491, 42.4657, 66.5965**, and **24.5938, 12.3781, 14.7286** is the 20% darker color. If you saturate the color by 10%, you get **47.1551, 25.0978, 28.5414**, and if you desaturate by 10%, it is **52.6825, 32.4585, 41.7718**.

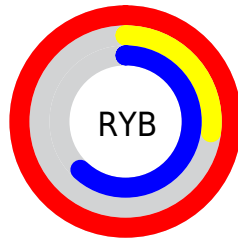
Distribution



Red (100%)

Green (27%)

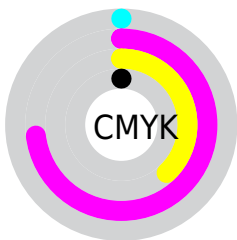
Blue (62%)



Red (100%)

Yellow (27%)

Blue (62%)

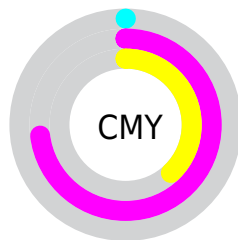


Cyan (0%)

Magenta (73%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (73%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5160, 28.0746, 34.7075 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 49.5160, 28.0746, 34.7075 by changing the saturation by 10% instead.


 49.5160, 28.0746,
34.7075


 49.5160, 28.0746,
34.7075

375.2535,
292.8232, 338.1403


 35.2452, 18.3819,
23.1559


 88.6535, 56.6035,
68.1788


 24.0192, 11.2245,
14.5023


 114.2508, 76.2085,
90.9356


 15.4727, 6.2181,
8.3281


 144.3545, 99.8864,
118.2645

 9.2403, 2.9781,
4.2148

 179.3297,
128.0216, 150.5842

 4.9566, 1.1203,
1.7439

 219.5418,
160.9985, 188.3130

 2.2563, 0.0000,
0.3906

265.3563,

 0.7722, 0.0000,

199.2015, 231.8696

0.0000

317.1384,
243.0149, 281.6725

■ 0.0000, 0.0000,
0.0000

■ 49.5160, 28.0746,
34.7075

■ 49.5160, 28.0746,
34.7075

■ 47.1551, 25.0978,
28.5414

■ 52.6825, 32.4585,
41.7718

■ 45.5012, 23.3374,
23.2194

■ 56.7324, 38.3990,
49.7791

■ 44.6248, 22.6139,
19.7540

■ 61.7365, 46.0313,
58.7717

■ 67.7571, 55.4744,
68.7882

■ 74.8512, 66.8367,
79.8648

83.0713, 80.2178,
92.0357

92.4664, 95.7104,
105.3330

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.



44.9148, 28.0746, 70.8678



49.5160, 28.0746, 34.7075



46.9025, 28.0746, 12.9677

Triad

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



49.5160, 28.0746, 34.7075



19.4887, 28.0746, 3.4425



17.6078, 28.0746, 97.8663

Complementary

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



49.5160, 28.0746, 34.7075



45.3555, 75.6501, 49.2626

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.



13.3150, 28.0746, 59.5057



49.5160, 28.0746, 34.7075



14.2052, 28.0746, 9.4639

Square

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



49.5160, 28.0746, 34.7075



28.0927, 28.0746, 2.3947



12.2370, 28.0746, 26.7723



25.3234, 28.0746, 118.7761

Rectangle

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



49.5160, 28.0746, 34.7075



41.6886, 28.0746, 6.2630



12.2370, 28.0746, 26.7723



15.7961, 28.0746, 85.7768

Sweetspot

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



49.5167, 28.0761, 34.7080



75.2693, 67.5124, 80.4990



35.8807, 19.6644, 96.5122



15.6721, 13.7428, 16.5609



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.



49.5167, 28.0761, 34.7080



46.3374, 24.1758, 26.0693



44.7346, 26.4799, 8.5496



18.3649, 18.1293, 20.5388



23.3914, 11.8459, 10.7116



2.3322, 1.1752, 1.3307

Inverse Universe

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



49.5167, 28.0761, 34.7080



46.3374, 24.1758, 26.0693



55.3609, 78.0911, 106.7630



18.3649, 18.1293, 20.5388



23.3914, 11.8459, 10.7116



2.3322, 1.1752, 1.3307

Previews

White Background



This preview shows how the XYZ color 49.5160, 28.0746, 34.7075 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 49.5160, 28.0746, 34.7075 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 49.5160, 28.0746, 34.7075

Background



This preview shows how black text looks on a background with the XYZ color 49.5160, 28.0746, 34.7075.



This preview shows how white text looks on a background with the XYZ color 49.5160, 28.0746,

34.7075.

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

49.5160, 28.0746, 34.7075

Protanopia

29.3257, 28.4402, 61.0706

Deuteranopia

28.6280, 28.0624, 31.9247



Tritanopia

45.1236, 28.0983, 13.1705

Trichromacy



Original Color

49.5160, 28.0746, 34.7075

Protanomaly

32.4486, 24.9629, 50.1218

Deuteranomaly

33.7090, 25.8333, 32.4878

Tritanomaly

46.2397, 27.8413, 19.4598

Monochromacy



Original Color

49.5160, 28.0746, 34.7075

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

29.2328, 22.9358, 28.8729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5160, 28.0746, 34.7075 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, 70, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 70, 157)  
}
```

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, 70, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 70, 157) }
```

Border

The CSS property to change the border of an element to XYZ 49.5160, 28.0746, 34.7075 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, 70, 157) }
```


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

```
.border{ border-color:rgb(255, 70, 157) }
```

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

Here you see how a box with a 4 pixel rgb(255, 70, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 70, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 70, 157);  
box-shadow:4px 4px 4px 4px rgb(255, 70,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5160, 28.0746, 34.7075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 70, 157) }
```

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

```
.background{ background-color: rgb(255, 70,  
157) }
```

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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