

Converting Colors

XYZ(50.3111, 28.8018, 37.6336)

Have a look what the booklet for
XYZ(50.3111, 28.8018, 37.6336)
contains.

XYZ(50.2996, 28.8019, 37.5586)	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(50.2996, 28.8019,
37.5586)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4AA3
RGB	255, 74, 163
RGB Percent	100%, 29%, 64%
CMY	0.0000, 0.7098, 0.3608
CMYK	0.00, 0.71, 0.36, 0.00
HSL	330°, 100%, 65%
HSV	330°, 71%, 100%
XYZ	50.2996, 28.8019, 37.5586
YIQ	138.2650, 79.3070, 66.0510

Conversions

Conversions Part 2

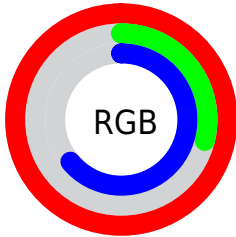
Format	Color
R_{YB}	255, 74, 163
Decimal	16730787
CIE _{Lab}	60.61, 74.23, -8.18
CIE _{LCh}	61, 74.682, 353.709
Yxy	28.8019, 0.4312, 0.2469
Android (android.graphics.Color)	4294920867 (0xFFFF4AA3)
YUV	138.2650, 12.1944, 102.3766
Hunter-Lab	53.6674, 73.3806, -3.9263

Details

The XYZ color **50.2996, 28.8019, 37.5586** 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 **45.4688, 75.7298, 48.3026**, and the grayscale version is **24.1941, 25.4541, 27.7195**.

A 20% lighter version of the original color is **62.5589, 43.6499, 71.4577**, and **24.8616, 12.4852, 16.1385** is the 20% darker color. If you saturate the color by 10%, you get **47.8261, 25.6192, 31.2947**, and if you desaturate by 10%, it is **53.5832, 33.4140, 44.6803**.

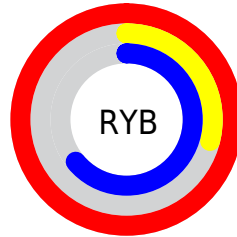
Distribution



Red (100%)

Green (29%)

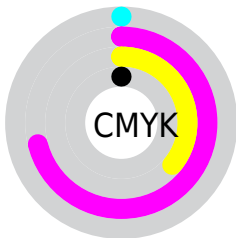
Blue (64%)



Red (100%)

Yellow (29%)

Blue (64%)

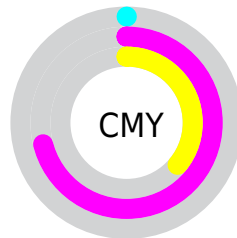


Cyan (0%)

Magenta (71%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (71%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2996, 28.8019, 37.5586 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 50.2996, 28.8019, 37.5586 by changing the saturation by 10% instead.


 50.2996, 28.8019,
37.5586


 50.2996, 28.8019,
37.5586

378.2691,
296.2791, 350.9639


 35.8703, 18.9310,
25.3411


 89.8078, 57.7622,
72.6270


 24.5037, 11.6204,
16.1101


 115.6174, 77.6204,
96.3150

 15.8344, 6.4858,
9.4469

 145.9511,
101.5765, 124.6635

 9.4972, 3.1427,
4.9330

 181.1743,
130.0149, 158.0912

 5.1266, 1.2067,
2.1500

221.6523,
163.3199, 197.0165

 2.3572, 0.0671,
0.6453

267.7506,

 0.8237, 0.0000,

201.8760, 241.8581

0.0000

319.8344,
246.0677, 293.0344

■ 0.0000, 0.0000,
0.0000

■ 50.2996, 28.8019,
37.5586

■ 50.2996, 28.8019,
37.5586

■ 47.8261, 25.6192,
31.2947

■ 53.5832, 33.4140,
44.6803

■ 46.0674, 23.6816,
25.8386

■ 57.7522, 39.6010,
52.7012

■ 44.9659, 22.7504,
21.5506

■ 62.8754, 47.4952,
61.6605

■ 69.0139, 57.2137,
71.5941

■ 76.2234, 68.8632,
82.5357

84.5555, 82.5418,
94.5170

94.0582, 98.3414,
107.5680

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.



45.2418, 28.8019, 74.5599



50.2996, 28.8019, 37.5586



48.1472, 28.8019, 14.4654

Triad

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



50.2996, 28.8019, 37.5586



20.5654, 28.8019, 3.5181



17.7873, 28.8019, 96.7467

Complementary

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



50.2996, 28.8019, 37.5586



45.4688, 75.7298, 48.3026

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.



13.6472, 28.8019, 57.9810



50.2996, 28.8019, 37.5586



14.9674, 28.8019, 9.2361

Square

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



50.2996, 28.8019, 37.5586



29.4617, 28.8019, 2.6347



12.7522, 28.8019, 25.8846



25.3899, 28.8019, 119.5206

Rectangle

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



50.2996, 28.8019, 37.5586



43.1170, 28.8019, 7.0936



12.7522, 28.8019, 25.8846



16.0240, 28.8019, 84.3502

Sweetspot

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



50.3004, 28.8035, 37.5591



76.2047, 68.8326, 82.5081



35.9140, 20.0656, 96.5878



15.8614, 14.0022, 16.9916



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.



50.3004, 28.8035, 37.5591



47.0383, 24.7011, 29.0049



44.9259, 26.6537, 9.2574



18.3817, 18.1360, 20.6270



23.5707, 11.9176, 11.6558



2.3500, 1.1824, 1.4246

Inverse Universe

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



50.3004, 28.8035, 37.5591



47.0383, 24.7011, 29.0049



56.6349, 80.1962, 107.1021



18.3817, 18.1360, 20.6270



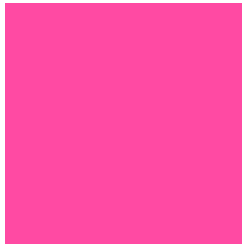
23.5707, 11.9176, 11.6558



2.3500, 1.1824, 1.4246

Previews

White Background



This preview shows how the XYZ color 50.2996, 28.8019, 37.5586 looks on a white background.

Color Contrast Check

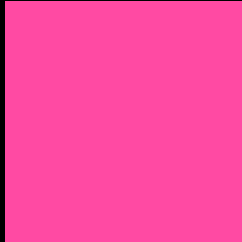
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.2996, 28.8019, 37.5586 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 50.2996, 28.8019, 37.5586

Background



This preview shows how black text looks on a background with the XYZ color 50.2996, 28.8019, 37.5586.



This preview shows how white text looks on a background with the XYZ color 50.2996, 28.8019,

37.5586.

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

50.2996, 28.8019, 37.5586

Protanopia

30.2103, 29.0353, 64.9849

Deuteranopia

29.4104, 28.8472, 34.5898



Tritanopia

45.3231, 28.6692, 14.4542

Trichromacy



Original Color

50.2996, 28.8019, 37.5586



Protanomaly

33.4560, 25.9281, 53.6934



Deuteranomaly

34.4394, 26.4944, 35.1971



Tritanomaly

46.8446, 28.5729, 21.1353

Monochromacy



Original Color

50.2996, 28.8019, 37.5586



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

30.4532, 24.1918, 30.6682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2996, 28.8019, 37.5586 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, 74, 163)` looks like.

```
.text, #text, p{  
  color:rgb(255, 74, 163)  
}
```

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, 74, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 74, 163) }
```

Border

The CSS property to change the border of an element to XYZ 50.2996, 28.8019, 37.5586 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, 74, 163) }
```


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

```
.border{ border-color:rgb(255, 74, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 74, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 74, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 74, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 74,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2996, 28.8019, 37.5586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 74, 163) }
```

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

```
.background{ background-color: rgb(255, 74,  
163) }
```

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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