

Converting Colors

XYZ(48.5314, 27.8226, 29.0857)

Have a look what the booklet for
XYZ(48.5314, 27.8226, 29.0857)
contains.

XYZ(48.5273, 27.7801, 29.1900)	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(48.5273, 27.7801,
29.1900)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4790
RGB	255, 71, 144
RGB Percent	100%, 28%, 56%
CMY	0.0000, 0.7215, 0.4353
CMYK	0.00, 0.72, 0.44, 0.00
HSL	336°, 100%, 64%
HSV	336°, 72%, 100%
XYZ	48.5273, 27.7801, 29.1900
YIQ	134.3380, 86.2310, 61.7110

Conversions

Conversions Part 2

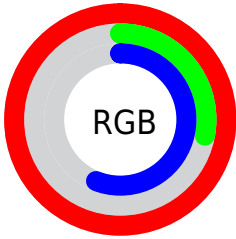
Format	Color
R _Y B	255, 71, 144
Decimal	16730000
CIE Lab	59.69, 73.38, 1.54
CIE LCh	60, 73.393, 1.202
Yxy	27.7801, 0.4600, 0.2633
Android (android.graphics.Color)	4294920080 (0xFFFF4790)
YUV	134.3380, 4.7634, 105.8206
Hunter-Lab	52.7068, 72.1084, 4.0589

Details

The XYZ color **48.5273, 27.7801, 29.1900** 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 **46.8041, 76.2378, 56.5108**, and the grayscale version is **22.7470, 23.9316, 26.0615**.

A 20% lighter version of the original color is **59.8206, 42.1123, 58.4017**, and **24.0127, 12.1456, 11.6684** is the 20% darker color. If you saturate the color by 10%, you get **46.1350, 24.7509, 22.9813**, and if you desaturate by 10%, it is **51.7612, 32.2361, 36.4702**.

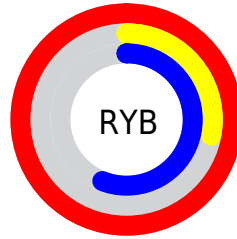
Distribution



Red (100%)

Green (28%)

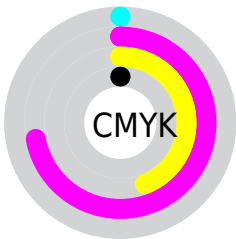
Blue (56%)



Red (100%)

Yellow (28%)

Blue (56%)

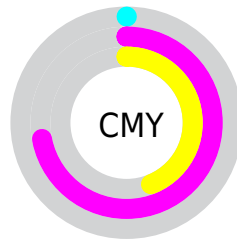


Cyan (0%)

Magenta (72%)

Yellow (44%)

Black (0%)



Cyan (0%)

Magenta (72%)


Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5273, 27.7801, 29.1900 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 48.5273, 27.7801, 29.1900 by changing the saturation by 10% instead.


 48.5273, 27.7801,
29.1900


 48.5273, 27.7801,
29.1900


371.4263,
291.4147, 312.1993

 34.4576, 18.1600,
18.9778


 87.1939, 56.1332,
59.4246


 23.4099, 11.0649,
11.4776


 112.5216, 75.6349,
80.2841


 15.0189, 6.1105,
6.2708


 142.3327, 99.1993,
105.5297

 8.9190, 2.9124,
2.9390

 176.9925,
127.2107, 135.5801

 4.7451, 1.0862,
1.0636

 216.8664,
160.0535, 170.8537

 2.1317, 0.0000,
0.0000

262.3198,

 0.7064, 0.0000,

198.1122, 211.7690

0.0000

313.7180,
241.7711, 258.7447

■ 0.0000, 0.0000,
0.0000

■ 48.5273, 27.7801,
29.1900

■ 48.5273, 27.7801,
29.1900

■ 46.1350, 24.7509,
22.9813

■ 51.7612, 32.2361,
36.4702

■ 44.4841, 22.9582,
17.7783


■ 55.9162, 38.2681,
44.8778

■ 43.5967, 22.2027,
14.3405

■ 61.0645, 46.0115,
54.4655

■ 67.2703, 55.5856,
65.2816

■ 74.5919, 67.0990,
77.3714

 83.0836, 80.6517,
90.7778

 92.7956, 96.3370,
105.5415

95.0499, 100.0000,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3007, 27.7801, 62.0944



48.5273, 27.7801, 29.1900



44.7672, 27.7801, 10.7642

Triad

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



48.5273, 27.7801, 29.1900



18.2067, 27.7801, 4.2274



18.7166, 27.7801, 100.6325

Complementary

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



48.5273, 27.7801, 29.1900



46.8041, 76.2378, 56.5108

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.



13.9069, 27.7801, 65.1374



48.5273, 27.7801, 29.1900



13.6645, 27.7801, 11.7223

Square

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



48.5273, 27.7801, 29.1900



26.0322, 27.7801, 2.5368



12.2949, 27.7801, 31.3309



26.7797, 27.7801, 115.3371

Rectangle

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



48.5273, 27.7801, 29.1900



39.2174, 27.7801, 5.3602



12.2949, 27.7801, 31.3309



16.7386, 27.7801, 90.0023

Sweetspot

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



48.5281, 27.7817, 29.1905



74.7122, 67.2896, 77.5653



39.4551, 21.6008, 96.6975



15.5412, 13.6904, 15.8718



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.



48.5281, 27.7817, 29.1905



45.2489, 23.7404, 20.3376



45.9844, 28.9284, 9.1234



18.3078, 18.1064, 20.2382



22.8488, 11.6288, 7.8540



2.2767, 1.1531, 1.0387

Inverse Universe

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



48.5281, 27.7817, 29.1905



45.2489, 23.7404, 20.3376



50.8182, 68.8977, 105.2278



18.3078, 18.1064, 20.2382



22.8488, 11.6288, 7.8540



2.2767, 1.1531, 1.0387

Previews

White Background



This preview shows how the XYZ color 48.5273, 27.7801, 29.1900 looks on a white background.

Color Contrast Check

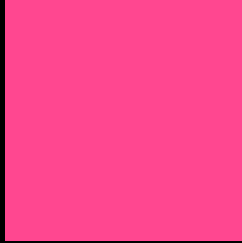
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.5273, 27.7801, 29.1900 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 48.5273, 27.7801, 29.1900

Background



This preview shows how black text looks on a background with the XYZ color 48.5273, 27.7801, 29.1900.

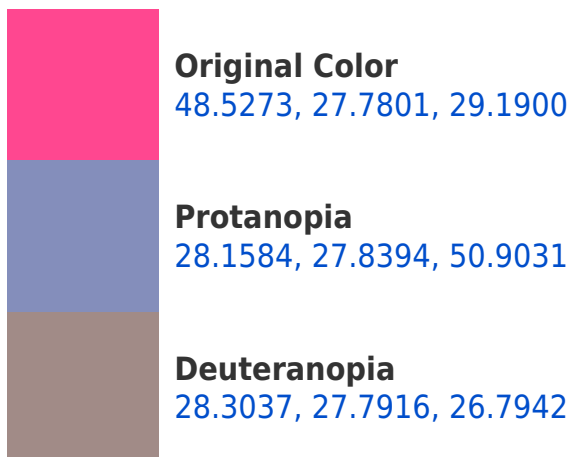


This preview shows how white text looks on a background with the XYZ color 48.5273, 27.7801,

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

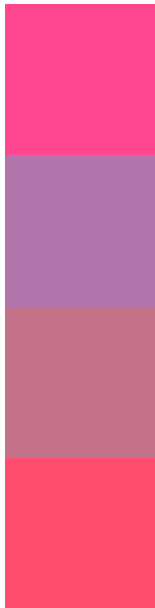




Tritanopia

45.1184, 27.7574, 12.4309

Trichromacy



Original Color

48.5273, 27.7801, 29.1900

Protanomaly

31.7275, 24.7782, 41.6385

Deuteranomaly

33.1104, 25.4717, 27.2162

Tritanomaly

46.0643, 27.5787, 17.3634

Monochromacy



Original Color

48.5273, 27.7801, 29.1900

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

28.6320, 22.6688, 26.9112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5273, 27.7801, 29.1900 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, 71, 144)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 144)  
}
```

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, 71, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 144) }
```

Border

The CSS property to change the border of an element to XYZ 48.5273, 27.7801, 29.1900 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, 71, 144) }
```


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

```
.border{ border-color:rgb(255, 71, 144) }
```

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

Here you see how a box with a 4 pixel rgb(255, 71, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 144);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5273, 27.7801, 29.1900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 144) }
```

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

```
.background{ background-color: rgb(255, 71,  
144) }
```

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