

Converting Colors

XYZ(48.5517, 27.0961, 31.4572)

Have a look what the booklet for
XYZ(48.5517, 27.0961, 31.4572)
contains.

XYZ(48.5784, 27.1288, 31.5302)	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(48.5784, 27.1288,
31.5302)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4096
RGB	255, 64, 150
RGB Percent	100%, 25%, 59%
CMY	0.0000, 0.7490, 0.4118
CMYK	0.00, 0.75, 0.41, 0.00
HSL	333°, 100%, 63%
HSV	333°, 75%, 100%
XYZ	48.5784, 27.1288, 31.5302
YIQ	130.9130, 86.2300, 67.2380

Conversions

Conversions Part 2

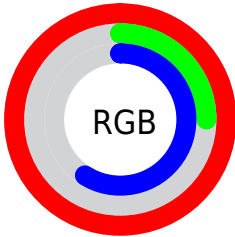
Format	Color
R _{YB}	255, 64, 150
Decimal	16728214
CIE Lab	59.09, 76.09, -2.85
CIE LCh	59, 76.140, 357.857
Yxy	27.1288, 0.4530, 0.2530
Android (android.graphics.Color)	4294918294 (0xFFFF4096)
YUV	130.9130, 9.4099, 108.8243
Hunter-Lab	52.0853, 75.3323, 0.5681

Details

The XYZ color **48.5784, 27.1288, 31.5302** 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 **45.0378, 75.4754, 49.7369**, and the grayscale version is **21.4904, 22.6096, 24.6218**.

A 20% lighter version of the original color is **59.8583, 41.0580, 61.8968**, and **24.2445, 12.2383, 12.8888** is the 20% darker color. If you saturate the color by 10%, you get **46.3922, 24.4563, 25.5610**, and if you desaturate by 10%, it is **51.5578, 31.1715, 38.4306**.

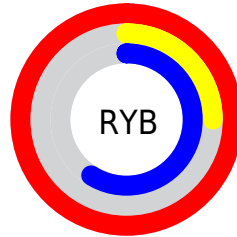
Distribution



Red (100%)

Green (25%)

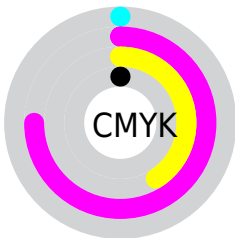
Blue (59%)



Red (100%)

Yellow (25%)

Blue (59%)

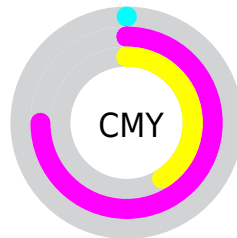


Cyan (0%)

Magenta (75%)

Yellow (41%)

Black (0%)



Cyan (0%)


Magenta (75%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5784, 27.1288, 31.5302 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 48.5784, 27.1288, 31.5302 by changing the saturation by 10% instead.


 48.5784, 27.1288,
31.5302


 48.5784, 27.1288,
31.5302


371.6248,
288.2802, 323.4001

 34.4983, 17.6700,
20.7411


 87.2695, 55.0905,
63.1632


 23.4414, 10.7133,
12.7455


 112.6111, 74.3621,
84.8441


 15.0422, 5.8744,
7.1249


 142.4374, 97.6735,
110.9928

 8.9355, 2.7689,
3.4607

 177.1136,
125.4090, 142.0276

 4.7559, 1.0123,
1.3344

 217.0051,
157.9530, 178.3672

 2.1381, 0.0000,
0.0897

262.4772,

 0.7098, 0.0000,

195.6900, 220.4302

0.0000

313.8953,
239.0042, 268.6349

■ 0.0000, 0.0000,
0.0000

■ 48.5784, 27.1288,
31.5302

■ 48.5784, 27.1288,
31.5302

■ 46.3922, 24.4563,
25.5610

■ 51.5578, 31.1715,
38.4306

■ 44.8945, 22.9524,
20.4641

■ 55.4120, 36.7404,
46.3111

■ 44.3234, 22.4933,
18.1672

■ 60.2141, 43.9749,
55.2174

■ 66.0286, 52.9973,
65.1913

■ 72.9140, 63.9184,
76.2718

80.9242, 76.8398,
88.4956

90.1094, 91.8560,
101.8976

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.



44.4653, 27.1288, 66.8442



48.5784, 27.1288, 31.5302



45.4508, 27.1288, 11.2661

Triad

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



48.5784, 27.1288, 31.5302



18.1827, 27.1288, 3.2681



17.2651, 27.1288, 99.2842

Complementary

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



48.5784, 27.1288, 31.5302



45.0378, 75.4754, 49.7369

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.



12.8111, 27.1288, 61.1945



48.5784, 27.1288, 31.5302



13.2427, 27.1288, 9.5828

Square

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



48.5784, 27.1288, 31.5302



26.4714, 27.1288, 2.0707



11.5408, 27.1288, 27.6328



25.1108, 27.1288, 118.2155

Rectangle

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



48.5784, 27.1288, 31.5302



40.0231, 27.1288, 5.2980



11.5408, 27.1288, 27.6328



15.4013, 27.1288, 87.4783

Sweetspot

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



48.5792, 27.1303, 31.5306



75.1164, 67.4512, 79.6935



35.5834, 18.9816, 96.3959



15.6361, 13.7284, 16.3715



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.



48.5792, 27.1303, 31.5306



45.5494, 23.5572, 22.8549



44.3797, 26.0583, 7.5432



18.3493, 18.1230, 20.4567



23.2328, 11.7824, 9.8762



2.3162, 1.1689, 1.2467

Inverse Universe

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



48.5792, 27.1303, 31.5306



45.5494, 23.5572, 22.8549



53.9277, 75.8355, 106.4030



18.3493, 18.1230, 20.4567



23.2328, 11.7824, 9.8762



2.3162, 1.1689, 1.2467

Previews

White Background



This preview shows how the XYZ color 48.5784, 27.1288, 31.5302 looks on a white background.

Color Contrast Check

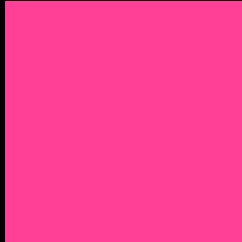
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.5784, 27.1288, 31.5302 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 48.5784, 27.1288, 31.5302

Background



This preview shows how black text looks on a background with the XYZ color 48.5784, 27.1288, 31.5302.



This preview shows how white text looks on a background with the XYZ color 48.5784, 27.1288,

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

48.5784, 27.1288, 31.5302

Protanopia

28.1754, 27.4869, 57.2466

Deuteranopia

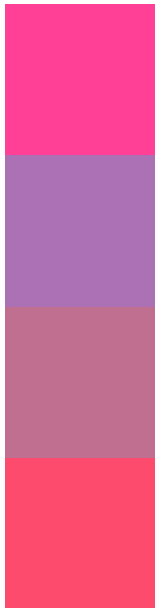
27.8008, 27.2681, 28.9973



Tritanopia

44.4058, 27.0660, 11.6879

Trichromacy



Original Color

48.5784, 27.1288, 31.5302

Protanomaly

31.2589, 23.9171, 46.6850

Deuteranomaly

32.7108, 24.7200, 29.4329

Tritanomaly

45.4213, 26.8317, 17.2531

Monochromacy



Original Color

48.5784, 27.1288, 31.5302

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

27.7496, 21.5805, 26.7476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5784, 27.1288, 31.5302 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, 64, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 64, 150)  
}
```

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, 64, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 150) }
```

Border

The CSS property to change the border of an element to XYZ 48.5784, 27.1288, 31.5302 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, 64, 150) }
```


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

```
.border{ border-color:rgb(255, 64, 150) }
```

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

Here you see how a box with a 4 pixel rgb(255, 64, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 64,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5784, 27.1288, 31.5302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 64, 150) }
```

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

```
.background{ background-color: rgb(255, 64,  
150) }
```

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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