

Converting Colors

XYZ(47.9097, 25.8220, 31.2128)

Have a look what the booklet for
XYZ(47.9097, 25.8220, 31.2128)
contains.

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Color

**XYZ(47.9288, 25.8297,
31.3137)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3396
RGB	255, 51, 150
RGB Percent	100%, 20%, 59%
CMY	0.0000, 0.7999, 0.4118
CMYK	0.00, 0.80, 0.41, 0.00
HSL	331°, 100%, 60%
HSV	331°, 80%, 100%
XYZ	47.9288, 25.8297, 31.3137
YIQ	123.2820, 89.8050, 74.0370

Conversions

Conversions Part 2

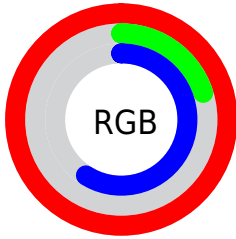
Format	Color
R _Y B	255, 51, 150
Decimal	16724886
CIE _{Lab}	57.88, 79.55, -4.64
CIE _{LCh}	58, 79.684, 356.659
Yxy	25.8297, 0.4562, 0.2458
Android (android.graphics.Color)	4294914966 (0xFFFF3396)
YUV	123.2820, 13.1720, 115.5167
Hunter-Lab	50.8229, 79.3951, -0.9545

Details

The XYZ color **47.9288, 25.8297, 31.3137** 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 **43.1282, 74.6249, 43.5910**, and the grayscale version is **18.8596, 19.8418, 21.6077**.

A 20% lighter version of the original color is **58.7359, 38.8133, 61.5227**, and **23.9904, 12.1073, 12.8769** is the 20% darker color. If you saturate the color by 10%, you get **46.1050, 23.7801, 25.7797**, and if you desaturate by 10%, it is **50.4823, 29.1493, 37.6755**.

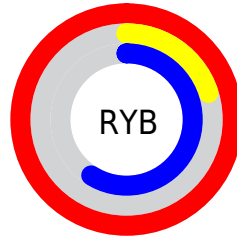
Distribution



Red (100%)

Green (20%)

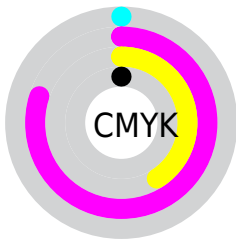
Blue (59%)



Red (100%)

Yellow (20%)

Blue (59%)

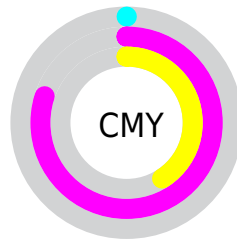


Cyan (0%)

Magenta (80%)

Yellow (41%)

Black (0%)



Cyan (0%)


Magenta (80%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9288, 25.8297, 31.3137 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 47.9288, 25.8297, 31.3137 by changing the saturation by 10% instead.


 47.9288, 25.8297,
31.3137

 47.9288, 25.8297,
31.3137

369.0971,
281.9451, 322.3768


 33.9815, 16.6963,
20.5774


 86.3087, 53.0001,
62.8190


 23.0422, 10.0182,
12.6272


 111.4721, 71.8058,
84.4250


 14.7456, 5.4110,
7.0446


 141.1048, 94.6045,
110.4914

 8.7262, 2.4904,
3.4112

 175.5724,
121.7804, 141.4366

 4.6187, 0.8718,
1.3082

 215.2400,
153.7181, 177.6792

 2.0577, 0.0000,
0.0685

260.4731,

 0.6661, 0.0000,

190.8018, 219.6377

0.0000

311.6370,
233.4160, 267.7307

■ 0.0000, 0.0000,
0.0000

■ 47.9288, 25.8297,
31.3137

■ 47.9288, 25.8297,
31.3137

■ 46.1050, 23.7801,
25.7797

■ 50.4823, 29.1493,
37.6755

■ 44.8622, 22.7092,
21.0043

■ 53.8545, 33.9108,
44.9124

■ 44.8615, 22.7086,
21.0012

■ 58.1227, 40.2633,
53.0681

■ 63.3545, 48.3364,
62.1816

■ 69.6104, 58.2459,
72.2894

76.9458, 70.0976,
83.4255

85.4120, 83.9892,
95.6220

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



43.3907, 25.8297, 68.2537



47.9288, 25.8297, 31.3137



44.9798, 25.8297, 10.4668

Triad

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



47.9288, 25.8297, 31.3137



17.1746, 25.8297, 2.4105



15.7499, 25.8297, 99.2821

Complementary

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



47.9288, 25.8297, 31.3137



43.1282, 74.6249, 43.5910

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.



11.4881, 25.8297, 59.0771



47.9288, 25.8297, 31.3137



12.1477, 25.8297, 7.9451

Square

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



47.9288, 25.8297, 31.3137



25.6402, 25.8297, 1.4886



10.3648, 25.8297, 25.1589



23.4919, 25.8297, 120.5790

Rectangle

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



47.9288, 25.8297, 31.3137



39.4969, 25.8297, 4.5529



10.3648, 25.8297, 25.1589



13.9490, 25.8297, 86.6285

Sweetspot

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



47.9295, 25.8312, 31.3141



73.8738, 65.1092, 78.8380



32.3731, 16.3623, 96.0594



15.2594, 13.0444, 16.0316



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.



47.9295, 25.8312, 31.3141



45.3125, 23.0661, 22.8293



43.0224, 23.8683, 5.4735



18.3766, 18.1340, 20.6006



23.5159, 11.8957, 11.3673



2.3446, 1.1802, 1.3961

Inverse Universe

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



47.9295, 25.8312, 31.3141



45.3125, 23.0661, 22.8293



55.1759, 79.4440, 107.0336



18.3766, 18.1340, 20.6006



23.5159, 11.8957, 11.3673



2.3446, 1.1802, 1.3961

Previews

White Background



This preview shows how the XYZ color 47.9288, 25.8297, 31.3137 looks on a white background.

Color Contrast Check

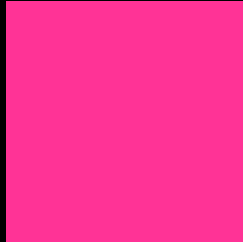
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.9288, 25.8297, 31.3137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

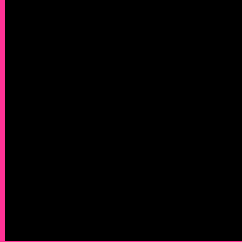
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.9288, 25.8297, 31.3137

Background



This preview shows how black text looks on a background with the XYZ color 47.9288, 25.8297, 31.3137.



This preview shows how white text looks on a background with the XYZ color 47.9288, 25.8297,

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

47.9288, 25.8297, 31.3137

Protanopia

27.3160, 26.1025, 60.7253

Deuteranopia

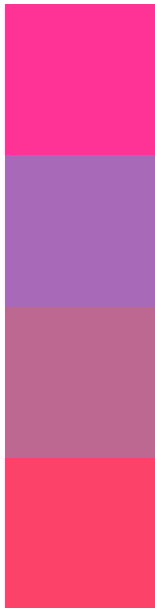
26.3465, 25.8968, 28.4209



Tritanopia

43.5720, 25.9426, 9.7321

Trichromacy



Original Color

47.9288, 25.8297, 31.3137

Protanomaly

29.9542, 22.0936, 48.0331

Deuteranomaly

30.9706, 22.7331, 29.1411

Tritanomaly

44.5918, 25.5914, 15.6861

Monochromacy



Original Color

47.9288, 25.8297, 31.3137

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

25.3029, 18.9008, 24.5049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9288, 25.8297, 31.3137 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, 51, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 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, 51, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 150) }
```

Border

The CSS property to change the border of an element to XYZ 47.9288, 25.8297, 31.3137 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, 51, 150) }
```


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

```
.border{ border-color:rgb(255, 51, 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, 51, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9288, 25.8297, 31.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 150) }
```

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

```
.background{ background-color: rgb(255, 51,  
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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