

Converting Colors

XYZ(47.7566, 25.4240, 31.4452)

Have a look what the booklet for
XYZ(47.7566, 25.4240, 31.4452)
contains.

XYZ(47.7220, 25.4160, 31.2447)	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(47.7220, 25.4160,
31.2447)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2E96
RGB	255, 46, 150
RGB Percent	100%, 18%, 59%
CMY	0.0000, 0.8195, 0.4118
CMYK	0.00, 0.82, 0.41, 0.00
HSL	330°, 100%, 59%
HSV	330°, 82%, 100%
XYZ	47.7220, 25.4160, 31.2447
YIQ	120.3470, 91.1800, 76.6520

Conversions

Conversions Part 2

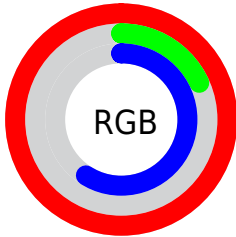
Format	Color
R _Y B	255, 46, 150
Decimal	16723606
CIE Lab	57.48, 80.68, -5.23
CIE LCh	57, 80.854, 356.291
Yxy	25.4160, 0.4572, 0.2435
Android (android.graphics.Color)	4294913686 (0xFFFF2E96)
YUV	120.3470, 14.6189, 118.0907
Hunter-Lab	50.4143, 80.7425, -1.4555

Details

The XYZ color **47.7220, 25.4160, 31.2447** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **42.4749, 74.3361, 41.3956**, and the grayscale version is **17.9007, 18.8329, 20.5091**.

A 20% lighter version of the original color is **58.3845, 38.1104, 61.4056**, and **23.9904, 12.1073, 12.8769** is the 20% darker color. If you saturate the color by 10%, you get **46.0282, 23.5903, 25.8652**, and if you desaturate by 10%, it is **50.1204, 28.4703, 37.4160**.

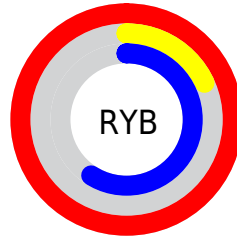
Distribution



Red (100%)

Green (18%)

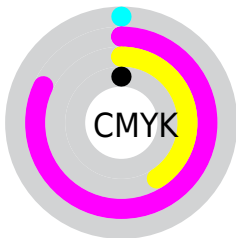
Blue (59%)



Red (100%)

Yellow (18%)

Blue (59%)

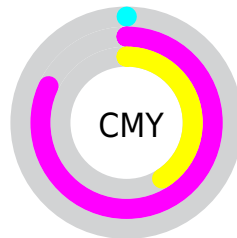


Cyan (0%)

Magenta (82%)

Yellow (41%)

Black (0%)



Cyan (0%)

Magenta (82%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7220, 25.4160, 31.2447 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 47.7220, 25.4160, 31.2447 by changing the saturation by 10% instead.

47.7220, 25.4160,
31.2447

47.7220, 25.4160,
31.2447

368.2901,
279.9034, 322.0501

33.8171, 16.3873,
20.5252

86.0025, 52.3313,
62.7092

22.9154, 9.7986,
12.5896

111.1089, 70.9866,
84.2913

14.6514, 5.2656,
7.0191

140.6799, 93.6196,
110.3314

8.6598, 2.4039,
3.3954

175.0807,
120.6147, 141.2480

4.5753, 0.8279,
1.2999

214.6768,
152.3562, 177.4596

2.0325, 0.0000,
0.0617

259.8335,

0.6521, 0.0000,

189.2286, 219.3848

0.0000

310.9161,
231.6161, 267.4421

■ 0.0000, 0.0000,
0.0000

■ 47.7220, 25.4160,
31.2447

■ 47.7220, 25.4160,
31.2447

■ 46.0282, 23.5903,
25.8652

■ 50.1204, 28.4703,
37.4160

■ 45.0628, 22.7891,
22.0610

■ 53.3157, 32.9326,
44.4264

■ 57.3876, 38.9565,
52.3188

■ 62.4047, 46.6744,
61.1318

■ 68.4285, 56.2046,
70.9011

75.5152, 67.6544,
81.6596

83.7166, 81.1231,
93.4389

93.0809, 96.7026,
106.2686

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.



43.0472, 25.4160, 68.7241



47.7220, 25.4160, 31.2447



44.8303, 25.4160, 10.2140

Triad

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



47.7220, 25.4160, 31.2447



16.8542, 25.4160, 2.1667



15.2756, 25.4160, 99.2925

Complementary

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



47.7220, 25.4160, 31.2447



42.4749, 74.3361, 41.3956

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.



11.0768, 25.4160, 58.4020



47.7220, 25.4160, 31.2447



11.8038, 25.4160, 7.4538

Square

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



47.7220, 25.4160, 31.2447



25.3738, 25.4160, 1.3250



9.9988, 25.4160, 24.3857



22.9800, 25.4160, 121.3714

Rectangle

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



47.7220, 25.4160, 31.2447



39.3290, 25.4160, 4.3253



9.9988, 25.4160, 24.3857



13.4956, 25.4160, 86.3616

Sweetspot

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



47.7227, 25.4174, 31.2451



73.2406, 63.9568, 78.2754



31.6993, 15.7079, 95.9688



15.1421, 12.8257, 15.9437



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.



47.7227, 25.4174, 31.2451



45.2872, 22.9675, 22.9693



42.7112, 23.4128, 4.8547



18.3863, 18.1378, 20.6513



23.6216, 11.9379, 11.9237



2.3550, 1.1844, 1.4511

Inverse Universe

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



47.7227, 25.4174, 31.2451



45.2872, 22.9675, 22.9693



54.9375, 79.3211, 107.0226



18.3863, 18.1378, 20.6513



23.6216, 11.9379, 11.9237



2.3550, 1.1844, 1.4511

Previews

White Background



This preview shows how the XYZ color 47.7220, 25.4160, 31.2447 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 47.7220, 25.4160, 31.2447 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 47.7220, 25.4160, 31.2447

Background



This preview shows how black text looks on a background with the XYZ color 47.7220, 25.4160, 31.2447.



This preview shows how white text looks on a background with the XYZ color 47.7220, 25.4160,

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

47.7220, 25.4160, 31.2447

Protanopia

27.0150, 25.7094, 61.9311

Deuteranopia

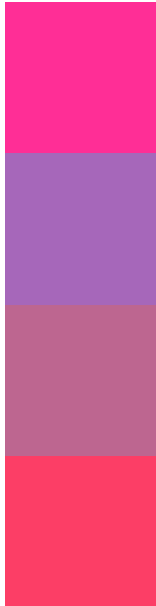
26.0212, 25.5230, 28.3659



Tritanopia

42.9136, 25.3249, 9.1050

Trichromacy



Original Color

47.7220, 25.4160, 31.2447

Protanomaly

29.4391, 21.3527, 49.0242

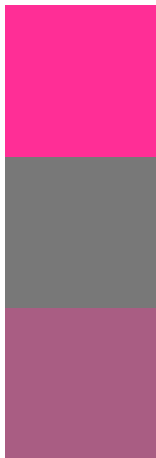
Deuteranomaly

30.7717, 22.3352, 29.0748

Tritanomaly

44.2658, 25.1000, 15.0821

Monochromacy



Original Color

47.7220, 25.4160, 31.2447

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

24.3733, 17.9024, 23.6436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7220, 25.4160, 31.2447 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, 46, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 46, 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, 46, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 150) }
```

Border

The CSS property to change the border of an element to XYZ 47.7220, 25.4160, 31.2447 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, 46, 150) }
```


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

```
.border{ border-color:rgb(255, 46, 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, 46, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7220, 25.4160, 31.2447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 46, 150) }
```

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

```
.background{ background-color: rgb(255, 46,  
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](#).

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