

Converting Colors

XYZ(47.1760, 25.5302, 27.3444)

Have a look what the booklet for
XYZ(47.1760, 25.5302, 27.3444)
contains.

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Color

**XYZ(47.1575, 25.5211,
27.2515)**

Conversions

Conversions Part 1

Format	Color
Hex	FF338C
RGB	255, 51, 140
RGB Percent	100%, 20%, 55%
CMY	0.0000, 0.7999, 0.4510
CMYK	0.00, 0.80, 0.45, 0.00
HSL	334°, 100%, 60%
HSV	334°, 80%, 100%
XYZ	47.1575, 25.5211, 27.2515
YIQ	122.1420, 93.0150, 70.9270

Conversions

Conversions Part 2

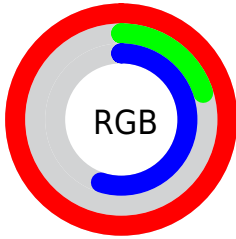
Format	Color
R _Y B	255, 51, 140
Decimal	16724876
CIE Lab	57.58, 78.68, 0.82
CIE LCh	58, 78.679, 0.599
Yxy	25.5211, 0.4719, 0.2554
Android (android.graphics.Color)	4294914956 (0xFFFF338C)
YUV	122.1420, 8.8040, 116.5165
Hunter-Lab	50.5184, 78.2174, 3.3797

Details

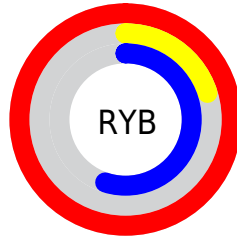
The XYZ color **47.1575, 25.5211, 27.2515** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **44.0105, 74.9780, 48.2368**, and the grayscale version is **18.4984, 19.4617, 21.1938**.

A 20% lighter version of the original color is **57.4625, 38.3039, 54.8169**, and **23.5837, 11.9447, 10.7354** is the 20% darker color. If you saturate the color by 10%, you get **45.3404, 23.4742, 21.7530**, and if you desaturate by 10%, it is **49.7243, 28.8460, 33.6836**.

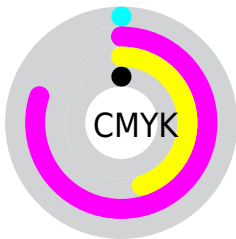
Distribution



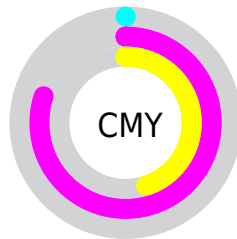
- Red (100%)
- Green (20%)
- Blue (55%)



- Red (100%)
- Yellow (20%)
- Blue (55%)



- Cyan (0%)
- Magenta (80%)
- Yellow (45%)
- Black (0%)





- Cyan (0%)
- Magenta (80%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1575, 25.5211, 27.2515 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 47.1575, 25.5211, 27.2515 by changing the saturation by 10% instead.

 47.1575, 25.5211,
27.2515


 47.1575, 25.5211,
27.2515


366.0813,
280.4232, 302.6714


 33.3687, 16.4657,
17.5281


 85.1660, 52.5013,
56.2958


 22.5696, 9.8543,
10.4458


 110.1163, 71.1950,
76.4538


 14.3950, 5.3025,
5.5861


 139.5179, 93.8702,
100.9271

 8.4794, 2.4258,
2.5304

 173.7360,
120.9113, 130.1341

 4.4576, 0.8391,
0.8562

 213.1361,
152.7028, 164.4936

 1.9641, 0.0000,
0.0000

258.0834,

 0.6137, 0.0000,

189.6290, 204.4239

0.0000

308.9433,
232.0744, 250.3437

■ 0.0000, 0.0000,
0.0000

■ 47.1575, 25.5211,
27.2515

■ 47.1575, 25.5211,
27.2515

■ 45.3404, 23.4742,
21.7530

■ 49.7243, 28.8460,
33.6836

■ 44.1231, 22.4135,
17.1113

■ 53.1312, 33.6213,
41.1037

■ 44.1224, 22.4130,
17.1085

■ 57.4569, 39.9968,
49.5619

■ 62.7700, 48.1023,
59.1035

■ 69.1320, 58.0542,
69.7706

76.5996, 69.9588,
81.6028

85.2249, 83.9139,
94.6373

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.



43.6290, 25.5211, 61.6827



47.1575, 25.5211, 27.2515



43.3507, 25.5211, 8.9045

Triad

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



47.1575, 25.5211, 27.2515



16.1792, 25.5211, 2.8149



16.4299, 25.5211, 101.5527

Complementary

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



47.1575, 25.5211, 27.2515



44.0105, 74.9780, 48.2368

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.



11.7998, 25.5211, 63.2884



47.1575, 25.5211, 27.2515



11.6835, 25.5211, 9.3498

Square

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



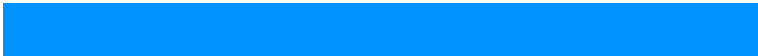
47.1575, 25.5211, 27.2515



24.0689, 25.5211, 1.5228



10.3128, 25.5211, 28.3318



24.4461, 25.5211, 118.1783

Rectangle

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



47.1575, 25.5211, 27.2515



37.6154, 25.5211, 3.9244



10.3128, 25.5211, 28.3318



14.5076, 25.5211, 89.9445

Sweetspot

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



47.1582, 25.5226, 27.2519



73.4715, 64.9483, 76.7199



34.3813, 17.3976, 96.1537



15.1634, 13.0060, 15.5260



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.



47.1582, 25.5226, 27.2519



44.5610, 22.7655, 18.8718



43.5182, 24.8597, 5.6386



18.3385, 18.1187, 20.3994



23.1267, 11.7400, 9.3179



2.3055, 1.1646, 1.1900

Inverse Universe

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



47.1582, 25.5226, 27.2519



44.5610, 22.7655, 18.8718



52.0082, 73.1086, 105.9780



18.3385, 18.1187, 20.3994



23.1267, 11.7400, 9.3179



2.3055, 1.1646, 1.1900

Previews

White Background



This preview shows how the XYZ color 47.1575, 25.5211, 27.2515 looks on a white background.

Color Contrast Check

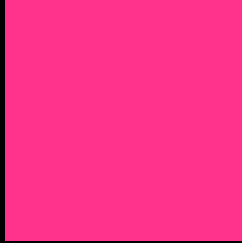
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.1575, 25.5211, 27.2515 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 47.1575, 25.5211, 27.2515

Background



This preview shows how black text looks on a background with the XYZ color 47.1575, 25.5211, 27.2515.



This preview shows how white text looks on a background with the XYZ color 47.1575, 25.5211,

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

47.1575, 25.5211, 27.2515

Protanopia

26.4083, 25.8200, 52.3071

Deuteranopia

26.0719, 25.6305, 24.6921



Tritanopia

43.2729, 25.5101, 9.1218

Trichromacy



Original Color

47.1575, 25.5211, 27.2515



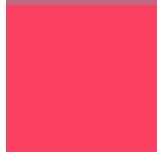
Protanomaly

29.3950, 21.9446, 41.7162



Deuteranomaly

30.7392, 22.6982, 25.3153



Tritanomaly

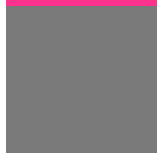
44.1829, 25.2441, 14.0992

Monochromacy



Original Color

47.1575, 25.5211, 27.2515



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

24.7229, 18.4968, 23.0361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1575, 25.5211, 27.2515 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 140) }
```

Border

The CSS property to change the border of an element to XYZ 47.1575, 25.5211, 27.2515 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, 140) }
```


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

```
.border{ border-color:rgb(255, 51, 140) }
```

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, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1575, 25.5211, 27.2515 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, 140) }
```

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

```
.background{ background-color: rgb(255, 51,  
140) }
```

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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