

Converting Colors

XYZ(49.9002, 30.7280, 28.2311)

Have a look what the booklet for
XYZ(49.9002, 30.7280, 28.2311)
contains.

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Color

**XYZ(49.7147, 30.6356,
28.1040)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5B8C
RGB	255, 91, 140
RGB Percent	100%, 36%, 55%
CMY	0.0000, 0.6431, 0.4510
CMYK	0.00, 0.64, 0.45, 0.00
HSL	342°, 100%, 68%
HSV	342°, 64%, 100%
XYZ	49.7147, 30.6356, 28.1040
YIQ	145.6220, 82.0150, 50.0070

Conversions

Conversions Part 2

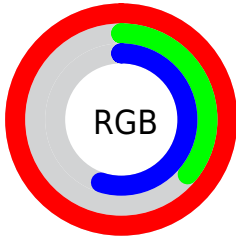
Format	Color
R _Y B	255, 91, 140
Decimal	16735116
CIE Lab	62.20, 65.79, 7.49
CIE LCh	62, 66.219, 6.490
Yxy	30.6356, 0.4584, 0.2825
Android (android.graphics.Color)	4294925196 (0xFFFF5B8C)
YUV	145.6220, -2.7716, 95.9245
Hunter-Lab	55.3494, 63.4667, 8.6398

Details

The XYZ color **49.7147, 30.6356, 28.1040** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **51.2169, 78.2011, 70.7931**, and the grayscale version is **27.1559, 28.5701, 31.1129**.

A 20% lighter version of the original color is **61.6131, 46.6051, 56.2004**, and **24.1059, 12.6120, 10.8367** is the 20% darker color. If you saturate the color by 10%, you get **46.6798, 26.5074, 21.1071**, and if you desaturate by 10%, it is **53.7057, 36.3332, 36.4773**.

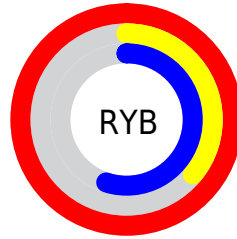
Distribution



Red (100%)

Green (36%)

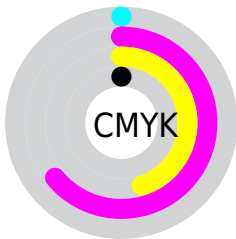
Blue (55%)



Red (100%)

Yellow (36%)

Blue (55%)

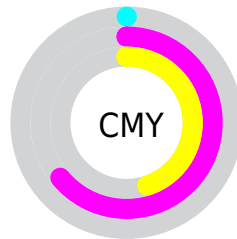


Cyan (0%)

Magenta (64%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (64%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7147, 30.6356, 28.1040 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 49.7147, 30.6356, 28.1040 by changing the saturation by 10% instead.


 49.7147, 30.6356,
28.1040

 49.7147, 30.6356,
28.1040

376.0197,
304.8560, 306.8911


 35.4036, 20.3215,
18.1643


 88.9464, 60.6659,
57.6755


 24.1419, 12.6290,
10.8974


 114.5977, 81.1509,
78.1445

 15.5642, 7.1736,
5.8846


 144.7598,
105.7950, 102.9603

 9.3052, 3.5709,
2.7074

 179.7980,
134.9827, 132.5415

 4.9995, 1.4365,
0.9471

220.0778,
169.0982, 167.3067

 2.2817, 0.2434,
0.0000

265.9644,

 0.7853, 0.0000,

208.5260, 207.6743

0.0000

317.8233,
253.6504, 254.0629

■ 0.0000, 0.0000,
0.0000

■ 49.7147, 30.6356,
28.1040

■ 49.7147, 30.6356,
28.1040

■ 46.6798, 26.5074,
21.1071

■ 53.7057, 36.3332,
36.4773

■ 44.5098, 23.7825,
15.4044

■ 58.7276, 43.7341,
46.2986

■ 43.0979, 22.2655,
10.9054

■ 64.8502, 52.9637,
57.6363

■ 42.5507, 21.7843,
8.8324

■ 72.1363, 64.1339,
70.5533

■ 80.6440, 77.3477,
85.1091

90.4272, 92.7006,
101.3598

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.



47.8604, 30.6356, 57.0547



49.7147, 30.6356, 28.1040



45.2092, 30.6356, 11.8343

Triad

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



49.7147, 30.6356, 28.1040



20.0584, 30.6356, 7.3919



22.7949, 30.6356, 101.7719

Complementary

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



49.7147, 30.6356, 28.1040



51.2169, 78.2011, 70.7931

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.



17.3856, 30.6356, 71.9536



49.7147, 30.6356, 28.1040



16.0460, 30.6356, 17.3415

Square

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



49.7147, 30.6356, 28.1040



27.2211, 30.6356, 4.4772



15.1786, 30.6356, 39.2268



31.1015, 30.6356, 109.8985

Rectangle

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



49.7147, 30.6356, 28.1040



39.6574, 30.6356, 6.8678



15.1786, 30.6356, 39.2268



20.6342, 30.6356, 93.4100

Sweetspot

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



49.7155, 30.6373, 28.1045



76.4983, 70.8896, 78.0746



47.1908, 27.7974, 97.4857



15.8616, 14.3788, 15.8316



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.



49.7155, 30.6373, 28.1045



46.0151, 25.6437, 19.4493



50.3122, 36.3826, 14.2706



18.2327, 18.0764, 19.8423



22.2907, 11.4056, 4.9152



2.2161, 1.1288, 0.7192

Inverse Universe

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



49.7155, 30.6373, 28.1045



46.0151, 25.6437, 19.4493



48.5402, 61.7944, 103.9767



18.2327, 18.0764, 19.8423



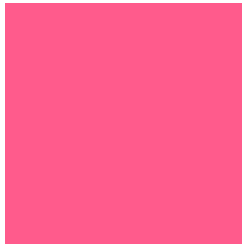
22.2907, 11.4056, 4.9152



2.2161, 1.1288, 0.7192

Previews

White Background



This preview shows how the XYZ color 49.7147, 30.6356, 28.1040 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 49.7147, 30.6356, 28.1040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

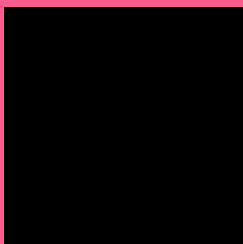
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7147, 30.6356, 28.1040

Background



This preview shows how black text looks on a background with the XYZ color 49.7147, 30.6356, 28.1040.

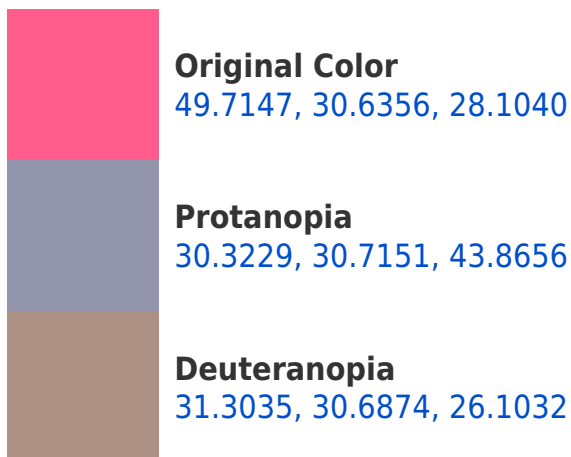


This preview shows how white text looks on a background with the XYZ color 49.7147, 30.6356,

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

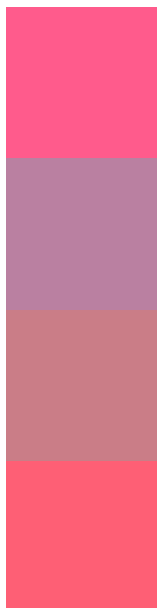




Tritanopia

47.3744, 30.6175, 16.5096

Trichromacy



Original Color

49.7147, 30.6356, 28.1040

Protanomaly

34.4019, 28.4507, 37.3966

Deuteranomaly

36.0639, 28.9731, 26.6133

Tritanomaly

48.1761, 30.5396, 20.1852

Monochromacy



Original Color

49.7147, 30.6356, 28.1040

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

32.7446, 27.3744, 29.9435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7147, 30.6356, 28.1040 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, 91, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 91, 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, 91, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 91, 140) }
```

Border

The CSS property to change the border of an element to XYZ 49.7147, 30.6356, 28.1040 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, 91, 140) }
```


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

```
.border{ border-color:rgb(255, 91, 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, 91, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 91, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 91, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 91,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7147, 30.6356, 28.1040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 91, 140) }
```

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

```
.background{ background-color: rgb(255, 91,  
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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