

Converting Colors

XYZ(50.0265, 28.1266, 38.3216)

Have a look what the booklet for
XYZ(50.0265, 28.1266, 38.3216)
contains.

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Color

**XYZ(50.1597, 28.2329,
38.4031)**

Conversions

Conversions Part 1

Format	Color
Hex	FF45A5
RGB	255, 69, 165
RGB Percent	100%, 27%, 65%
CMY	0.0000, 0.7294, 0.3529
CMYK	0.00, 0.73, 0.35, 0.00
HSL	329°, 100%, 64%
HSV	329°, 73%, 100%
XYZ	50.1597, 28.2329, 38.4031
YIQ	135.5580, 80.0400, 69.2880

Conversions

Conversions Part 2

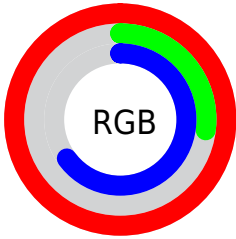
Format	Color
R _Y B	255, 69, 165
Decimal	16729509
CIE _{Lab}	60.10, 76.05, -10.10
CIE _{LCh}	60, 76.714, 352.432
Yxy	28.2329, 0.4295, 0.2417
Android (android.graphics.Color)	4294919589 (0xFFFF45A5)
YUV	135.5580, 14.5149, 104.7506
Hunter-Lab	53.1346, 75.5204, -5.6576

Details

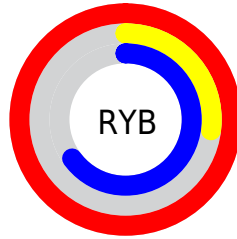
The XYZ color **50.1597, 28.2329, 38.4031** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **44.4742, 75.2893, 44.9946**, and the grayscale version is **23.1653, 24.3717, 26.5408**.

A 20% lighter version of the original color is **62.4095, 42.9298, 72.7071**, and **24.9730, 12.5297, 16.7250** is the 20% darker color. If you saturate the color by 10%, you get **47.8444, 25.3140, 32.3548**, and if you desaturate by 10%, it is **53.2582, 32.5448, 45.2476**.

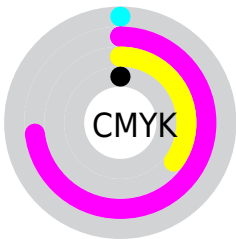
Distribution



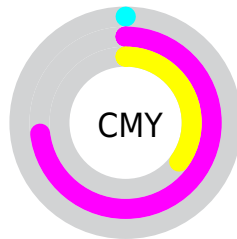
- Red (100%)
- Green (27%)
- Blue (65%)



- Red (100%)
- Yellow (27%)
- Blue (65%)



- Cyan (0%)
- Magenta (73%)
- Yellow (35%)
- Black (0%)





- Cyan (0%)
- Magenta (73%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1597, 28.2329, 38.4031 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 50.1597, 28.2329, 38.4031 by changing the saturation by 10% instead.


 50.1597, 28.2329,
38.4031


 50.1597, 28.2329,
38.4031

377.7318,
293.5781, 354.6959


 35.7586, 18.5013,
25.9914


 89.6019, 56.8561,
73.9358

 24.4171, 11.3105,
16.5915


 115.3736, 76.5164,
97.8940


 15.7697, 6.2761,
9.7848


 145.6664,
100.2551, 126.5380

 9.4512, 3.0137,
5.1528

 180.8454,
128.4566, 160.2866

 5.0961, 1.1389,
2.2769

 221.2762,
161.5053, 199.5581

 2.3391, 0.0109,
0.7182

267.3239,

 0.8145, 0.0000,

199.7855, 244.7711

0.0000

319.3540,
243.6816, 296.3442

■ 0.0000, 0.0000,
0.0000

■ 50.1597, 28.2329,
38.4031

■ 50.1597, 28.2329,
38.4031

■ 47.8444, 25.3140,
32.3548

■ 53.2582, 32.5448,
45.2476

■ 46.2139, 23.5960,
27.0542

■ 57.2172, 38.3996,
52.9279

■ 45.3779, 22.9152,
23.7198

■ 62.1068, 45.9329,
61.4814

■ 67.9887, 55.2639,
70.9422

■ 74.9192, 66.5008,
81.3419

82.9501, 79.7434,
92.7103

92.1298, 95.0842,
105.0758

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.



44.6955, 28.2329, 76.7291



50.1597, 28.2329, 38.4031



48.2709, 28.2329, 14.4143

Triad

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



50.1597, 28.2329, 38.4031



20.2721, 28.2329, 2.9835



16.9143, 28.2329, 96.3481

Complementary

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



50.1597, 28.2329, 38.4031



44.4742, 75.2893, 44.9946

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.



12.9225, 28.2329, 56.2488



50.1597, 28.2329, 38.4031



14.5065, 28.2329, 8.1921

Square

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



50.1597, 28.2329, 38.4031



29.3913, 28.2329, 2.2841



12.1633, 28.2329, 24.1722



24.4305, 28.2329, 121.1583

Rectangle

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



50.1597, 28.2329, 38.4031



43.2677, 28.2329, 6.8243



12.1633, 28.2329, 24.1722



15.1989, 28.2329, 83.3625

Sweetspot

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



50.1605, 28.2344, 38.4036



75.6236, 67.6541, 82.3647



34.4584, 18.8391, 96.4279



15.7555, 13.7761, 17.0003



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.



50.1605, 28.2344, 38.4036



46.9401, 24.3074, 29.5805



44.5423, 25.9871, 8.8185



18.4008, 18.1436, 20.7278



23.7868, 12.0040, 12.7936



2.3713, 1.1909, 1.5365

Inverse Universe

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



50.1605, 28.2344, 38.4036



46.9401, 24.3074, 29.5805



55.7700, 79.8076, 104.4776



18.4008, 18.1436, 20.7278



23.7868, 12.0040, 12.7936



2.3713, 1.1909, 1.5365

Previews

White Background



This preview shows how the XYZ color 50.1597, 28.2329, 38.4031 looks on a white background.

Color Contrast Check

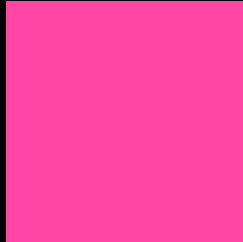
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.1597, 28.2329, 38.4031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

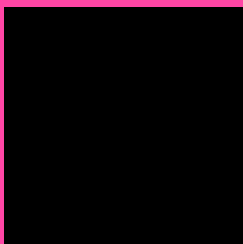
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.1597, 28.2329, 38.4031

Background



This preview shows how black text looks on a background with the XYZ color 50.1597, 28.2329, 38.4031.



This preview shows how white text looks on a background with the XYZ color 50.1597, 28.2329,

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

50.1597, 28.2329, 38.4031

Protanopia

29.9734, 28.6162, 68.2337

Deuteranopia

28.7677, 28.2863, 34.9539



Tritanopia

45.0171, 28.2769, 13.6750

Trichromacy



Original Color

50.1597, 28.2329, 38.4031



Protanomaly

32.9010, 25.0680, 55.9279



Deuteranomaly

33.8746, 25.8410, 36.0033



Tritanomaly

46.5523, 28.0861, 20.7369

Monochromacy



Original Color

50.1597, 28.2329, 38.4031



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

29.6510, 23.2786, 30.5342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1597, 28.2329, 38.4031 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, 69, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 69, 165)  
}
```

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, 69, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 165) }
```

Border

The CSS property to change the border of an element to XYZ 50.1597, 28.2329, 38.4031 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, 69, 165) }
```


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

```
.border{ border-color:rgb(255, 69, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 69, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 69, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 69, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 69,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1597, 28.2329, 38.4031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 69, 165) }
```

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

```
.background{ background-color: rgb(255, 69,  
165) }
```

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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