

Converting Colors

XYZ(48.8060, 25.2813, 38.7046)

Have a look what the booklet for
XYZ(48.8060, 25.2813, 38.7046)
contains.

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Color

**XYZ(48.8459, 25.3118,
38.8704)**

Conversions

Conversions Part 1

Format	Color
Hex	FF24A7
RGB	255, 36, 167
RGB Percent	100%, 14%, 65%
CMY	0.0000, 0.8587, 0.3451
CMYK	0.00, 0.86, 0.35, 0.00
HSL	324°, 100%, 57%
HSV	324°, 86%, 100%
XYZ	48.8459, 25.3118, 38.8704
YIQ	116.4150, 88.4730, 87.1690

Conversions

Conversions Part 2

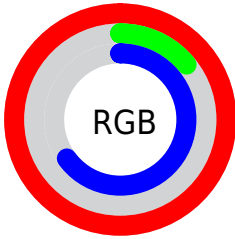
Format	Color
R_{YB}	255, 36, 167
Decimal	16721063
CIE _{Lab}	57.38, 84.21, -15.36
CIE _{LCh}	57, 85.603, 349.660
Yxy	25.3118, 0.4322, 0.2239
Android (android.graphics.Color)	4294911143 (0xFFFF24A7)
YUV	116.4150, 24.9384, 121.5390
Hunter-Lab	50.3108, 85.2585, -10.5902

Details

The XYZ color **48.8459, 25.3118, 38.8704** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **40.1279, 73.3513, 31.1198**, and the grayscale version is **16.6383, 17.5047, 19.0627**.

A 20% lighter version of the original color is **60.1093, 37.9028, 73.2551**, and **25.0868, 12.5753, 17.3247** is the 20% darker color. If you saturate the color by 10%, you get **47.4190, 23.9144, 33.9044**, and if you desaturate by 10%, it is **50.8974, 27.8379, 44.4153**.

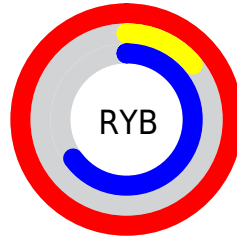
Distribution



Red (100%)

Green (14%)

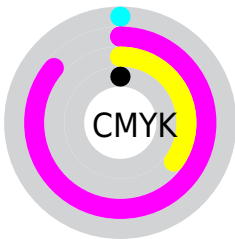
Blue (65%)



Red (100%)

Yellow (14%)

Blue (65%)

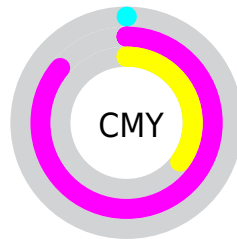


Cyan (0%)

Magenta (86%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (86%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8459, 25.3118, 38.8704 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 48.8459, 25.3118, 38.8704 by changing the saturation by 10% instead.


 48.8459, 25.3118,
38.8704


 48.8459, 25.3118,
38.8704

372.6624,
279.3872, 356.7487


 34.7113, 16.3095,
26.3519


 87.6646, 52.1626,
74.6585


 23.6060, 9.7434,
16.8589


 113.0795, 70.7799,
98.7650


 15.1648, 5.2292,
9.9731


 142.9851, 93.3710,
127.5714

 9.0222, 2.3824,
5.2757

 177.7468,
120.3203, 161.4961

 4.8129, 0.8168,
2.3484

 217.7301,
152.0121, 200.9576

 2.1715, 0.0000,
0.7581

263.3002,

 0.7277, 0.0000,

188.8310, 246.3745

0.0000

314.8225,
231.1612, 298.1654

■ 0.0000, 0.0000,
0.0000

■ 48.8459, 25.3118,
38.8704

■ 48.8459, 25.3118,
38.8704

■ 47.4190, 23.9144,
33.9044

■ 50.8974, 27.8379,
44.4153

■ 46.9505, 23.5442,
32.0010

■ 53.6729, 31.6893,
50.5802

■ 57.2555, 37.0296,
57.4007

■ 61.7159, 43.9974,
64.9082

■ 67.1165, 52.7152,
73.1311

■ 73.5139, 63.2938,
82.0955

■ 80.9600, 75.8349,
91.8259

■ 89.5030, 90.4325,
102.3453

■ 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.



42.2303, 25.3118, 81.9518



48.8459, 25.3118, 38.8704



47.5405, 25.3118, 12.6979

Triad

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



48.8459, 25.3118, 38.8704



18.0663, 25.3118, 1.3162



13.4992, 25.3118, 95.9752

Complementary

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



48.8459, 25.3118, 38.8704



40.1279, 73.3513, 31.1198

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.



9.9529, 25.3118, 50.9921



48.8459, 25.3118, 38.8704



12.0292, 25.3118, 4.8921

Square

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



48.8459, 25.3118, 38.8704



27.7373, 25.3118, 1.0302



9.5037, 25.3118, 18.6891



20.7195, 25.3118, 127.3593

Rectangle

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



48.8459, 25.3118, 38.8704



42.4474, 25.3118, 5.0544



9.5037, 25.3118, 18.6891



11.9356, 25.3118, 80.9049

Sweetspot

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



48.8467, 25.3132, 38.8708



73.4262, 63.1475, 81.9770



26.9381, 12.7396, 95.6469



15.2180, 12.6872, 16.8642



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.



48.8467, 25.3132, 38.8708



46.9505, 23.5442, 32.0010



42.6333, 22.8279, 6.1517



18.4655, 18.1695, 21.0686



24.6085, 12.3327, 17.1205



2.4501, 1.2224, 1.9516

Inverse Universe

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



48.8467, 25.3132, 38.8708



46.9505, 23.5442, 32.0010



51.2110, 77.7845, 89.4823



18.4655, 18.1695, 21.0686



24.6085, 12.3327, 17.1205



2.4501, 1.2224, 1.9516

Previews

White Background



This preview shows how the XYZ color 48.8459, 25.3118, 38.8704 looks on a white background.

Color Contrast Check

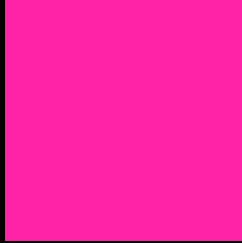
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.8459, 25.3118, 38.8704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

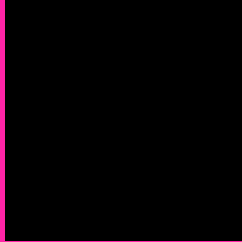
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.8459, 25.3118, 38.8704

Background



This preview shows how black text looks on a background with the XYZ color 48.8459, 25.3118, 38.8704.



This preview shows how white text looks on a background with the XYZ color 48.8459, 25.3118,

38.8704.

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

48.8459, 25.3118, 38.8704

Protanopia

28.1592, 25.6955, 79.8195

Deuteranopia

25.9924, 25.5679, 35.0176



Tritanopia

42.6888, 25.2963, 9.4702

Trichromacy



Original Color

48.8459, 25.3118, 38.8704



Protanomaly

29.1734, 20.3478, 62.0644



Deuteranomaly

30.5742, 21.6521, 35.8255



Tritanomaly

44.1079, 24.7413, 16.9188

Monochromacy



Original Color

48.8459, 25.3118, 38.8704



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

23.7177, 16.7811, 24.9107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8459, 25.3118, 38.8704 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, 36, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 167)  
}
```

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, 36, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 167) }
```

Border

The CSS property to change the border of an element to XYZ 48.8459, 25.3118, 38.8704 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, 36, 167) }
```


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

```
.border{ border-color:rgb(255, 36, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 36, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8459, 25.3118, 38.8704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 167) }
```

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

```
.background{ background-color: rgb(255, 36,  
167) }
```

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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