

Converting Colors

XYZ(48.1978, 25.6388, 88.6347)

Have a look what the booklet for
XYZ(48.1978, 25.6388, 88.6347)
contains.

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Color

**XYZ(48.1336, 25.6315,
88.7967)**

Conversions

Conversions Part 1

Format	Color
Hex	DD40F5
RGB	221, 64, 245
RGB Percent	87%, 25%, 96%
CMY	0.1333, 0.7490, 0.0392
CMYK	0.10, 0.74, 0.00, 0.04
HSL	292°, 90%, 61%
HSV	292°, 74%, 96%
XYZ	48.1336, 25.6315, 88.7967
YIQ	131.5770, 35.4710, 89.5750

Conversions

Conversions Part 2

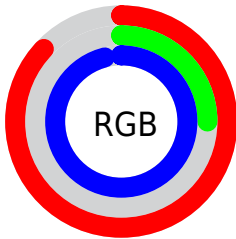
Format	Color
R _Y B	221, 64, 245
Decimal	14500085
CIE Lab	57.69, 80.93, -59.81
CIE LCh	58, 100.635, 323.533
Yxy	25.6315, 0.2961, 0.1577
Android (android.graphics.Color)	4292690165 (0xFFDD40F5)
YUV	131.5770, 55.9175, 78.4240
Hunter-Lab	50.6276, 81.1087, -68.5506

Details

The XYZ color **48.1336, 25.6315, 88.7967** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **37.6032, 67.7503, 15.9467**, and the grayscale version is **21.5783, 22.7020, 24.7225**.

A 20% lighter version of the original color is **66.7509, 43.4017, 99.4670**, and **23.7750, 11.2079, 48.4872** is the 20% darker color. If you saturate the color by 10%, you get **46.0635, 22.9446, 88.3876**, and if you desaturate by 10%, it is **50.8311, 29.5429, 89.4099**.

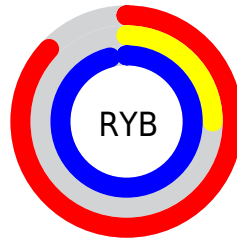
Distribution



Red (87%)

Green (25%)

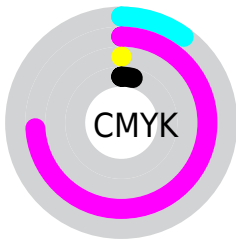
Blue (96%)



Red (87%)

Yellow (25%)

Blue (96%)

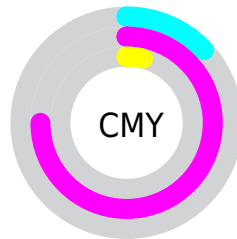


Cyan (10%)

Magenta (74%)

Yellow (0%)

Black (4%)



Cyan (13%)


Magenta (75%)


Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1336, 25.6315, 88.7967 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 48.1336, 25.6315, 88.7967 by changing the saturation by 10% instead.


 48.1336, 25.6315,
88.7967


 48.1336, 25.6315,
88.7967

369.8952,
280.9684, 544.5775


 34.1444, 16.5482,
66.4150


 86.6118, 52.6799,
147.5867

 23.1680, 9.9129,
48.1508


 111.8315, 71.4137,
184.8321


 14.8390, 5.3412,
33.5854


 141.5253, 94.1331,
227.8691

 8.7920, 2.4488,
22.3005

 176.0588,
121.2226, 277.1163

 4.6618, 0.8508,
13.8775

 215.7971,
153.0664, 332.9921

 2.0829, 0.0000,
7.8977

261.1058,

 0.6799, 0.0000,

190.0491, 395.9153

3.9427

312.3500,
232.5550, 466.3042

■ 0.0000, 0.0000,
1.5940

■ 0.0000, 0.0000,
0.2865

■ 48.1336, 25.6315,
88.7967

■ 48.1336, 25.6315,
88.7967

■ 46.0635, 22.9446,
88.3876

■ 50.8311, 29.5429,
89.4099

■ 44.5316, 21.3067,
88.1522

■ 54.2236, 34.8165,
90.2490

■ 43.7816, 20.6663,
88.0681

■ 58.3730, 41.5753,
91.3349

■ 63.3335, 49.9274,
92.6856

69.1542, 59.9710,
94.3174

75.8804, 71.7963,
96.2454

83.5539, 85.4869,
98.4835

90.5959, 97.8850,
100.5054

91.7515, 98.4808,
100.5595

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.8274, 25.6315, 143.5618



48.1336, 25.6315, 88.7967



55.3765, 25.6315, 36.0638

Triad

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



48.1336, 25.6315, 88.7967



27.0642, 25.6315, 0.0000



8.7011, 25.6315, 63.6476

Complementary

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



48.1336, 25.6315, 88.7967



37.6032, 67.7503, 15.9467

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.



7.8361, 25.6315, 21.0856



48.1336, 25.6315, 88.7967



16.2361, 25.6315, 0.5029

Square

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



48.1336, 25.6315, 88.7967



40.8803, 25.6315, 1.3346



10.0812, 25.6315, 4.1361



13.0276, 25.6315, 122.4345

Rectangle

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



48.1336, 25.6315, 88.7967



54.5240, 25.6315, 15.0876



10.0812, 25.6315, 4.1361



8.0711, 25.6315, 46.4829

Sweetspot

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



48.1347, 25.6326, 88.7972



77.0065, 67.8972, 103.6545



22.0975, 14.6851, 88.0565



16.0807, 13.8318, 22.0722



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.



48.1347, 25.6326, 88.7972



49.4891, 24.0456, 96.6406



47.5901, 26.3201, 45.0271



16.9849, 16.6504, 20.8612



23.6713, 11.1773, 47.4478



2.1392, 1.0127, 4.1730

Inverse Universe

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



41.2518, 23.7848, 11.6504



42.4238, 22.3998, 6.1096



38.8216, 68.0170, 32.3324



16.5886, 16.5183, 17.5800



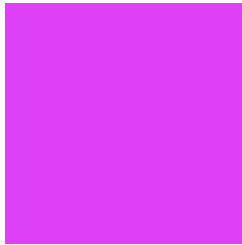
20.4582, 10.5267, 1.8554



1.8256, 0.9362, 0.3078

Previews

White Background



This preview shows how the XYZ color 48.1336, 25.6315, 88.7967 looks on a white background.

Color Contrast Check

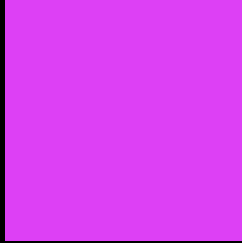
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.1336, 25.6315, 88.7967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

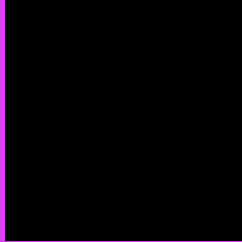
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.1336, 25.6315, 88.7967

Background



This preview shows how black text looks on a background with the XYZ color 48.1336, 25.6315, 88.7967.



This preview shows how white text looks on a background with the XYZ color 48.1336, 25.6315,

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

48.1336, 25.6315, 88.7967

Protanopia

29.6945, 26.0844, 98.0775

Deuteranopia

26.9101, 26.0952, 80.7094



Tritanopia

34.0228, 25.4390, 20.2566

Trichromacy



Original Color

48.1336, 25.6315, 88.7967



Protanomaly

31.9345, 22.5694, 93.9400



Deuteranomaly

29.8326, 22.2148, 82.8363



Tritanomaly

37.4792, 24.3579, 37.8481

Monochromacy



Original Color

48.1336, 25.6315, 88.7967



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

28.1104, 21.4250, 42.1890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1336, 25.6315, 88.7967 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(221, 64, 245)` looks like.

```
.text, #text, p{  
    color:rgb(221, 64, 245)  
}
```

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(221, 64, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 64, 245) }
```

Border

The CSS property to change the border of an element to XYZ 48.1336, 25.6315, 88.7967 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(221, 64, 245) }
```


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

```
.border{ border-color:rgb(221, 64, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 64, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 64, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 64, 245);  
box-shadow:4px 4px 4px 4px rgb(221, 64,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1336, 25.6315, 88.7967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 64, 245) }
```

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

```
.background{ background-color: rgb(221, 64,  
245) }
```

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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