

Converting Colors

XYZ(25.5412, 12.5599, 28.6221)

Have a look what the booklet for
XYZ(25.5412, 12.5599, 28.6221)
contains.

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Color

**XYZ(25.5162, 12.5457,
28.6805)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0093
RGB	186, 0, 147
RGB Percent	73%, 0%, 58%
CMY	0.2706, 0.9999, 0.4235
CMYK	0.00, 1.00, 0.21, 0.27
HSL	313°, 100%, 36%
HSV	313°, 100%, 73%
XYZ	25.5162, 12.5457, 28.6805
YIQ	72.3720, 63.6690, 85.1490

Conversions

Conversions Part 2

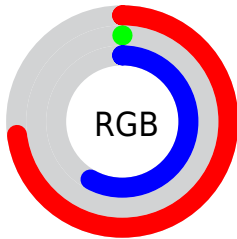
Format	Color
RYB	186, 0, 147
Decimal	12189843
CIELab	42.07, 72.24, -28.08
CIElCh	42, 77.511, 338.758
Yxy	12.5457, 0.3823, 0.1880
Android (android.graphics.Color)	4290379923 (0xFFBA0093)
YUV	72.3720, 36.7916, 99.6518
Hunter-Lab	35.4199, 66.6050, -23.2148

Details

The XYZ color **25.5162, 12.5457, 28.6805** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **17.9260, 35.2649, 7.7838**, and the grayscale version is **6.1572, 6.4778, 7.0543**.

A 20% lighter version of the original color is **51.8764, 30.4655, 58.4046**, and **11.0134, 5.4337, 11.5347** is the 20% darker color. If you saturate the color by 10%, you get **25.5159, 12.5456, 28.6783**, and if you desaturate by 10%, it is **26.0543, 13.1235, 30.3959**.

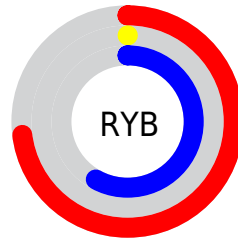
Distribution



Red (73%)

Green (0%)

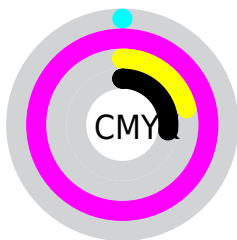
Blue (58%)



Red (73%)

Yellow (0%)

Blue (58%)

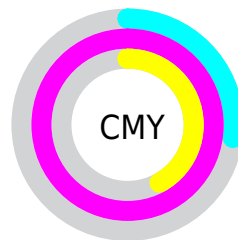


Cyan (0%)

Magenta (100%)

Yellow (21%)

Black (27%)



Cyan (27%)

Magenta (100%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5162, 12.5457, 28.6805 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 25.5162, 12.5457, 28.6805 by changing the saturation by 10% instead.

■ 25.5162, 12.5457,
28.6805

■ 25.5162, 12.5457,
28.6805

272.6994,
207.9852, 309.7181

■ 16.5928, 7.1165,
18.5958

■ 51.9303, 30.4852,
58.6052

■ 10.0381, 3.5350,
11.2047

■ 70.1518, 43.7642,
79.2822

■ 5.4867, 1.4170,
6.0888

■ 92.2033, 60.4286,
104.3271

■ 2.5732, 0.2292,
2.8295

■ 118.4502, 80.8628,
134.1584

■ 0.9323, 0.0000,
1.0082

■ 149.2580,
105.4511, 169.1946

■ 0.0000, 0.0000,
0.0000

■ 184.9919,

134.5781, 209.8542

226.0172,
168.6280, 256.5559

■ 25.5162, 12.5457,
28.6805

■ 25.5162, 12.5457,
28.6805

■ 25.5159, 12.5456,
28.6783

■ 26.0543, 13.1235,
30.3959

■ 26.8182, 14.1364,
32.2381

■ 27.8878, 15.7437,
34.2345

■ 29.3026, 18.0241,
36.3986

■ 31.0958, 21.0444,
38.7420

■ 33.2970, 24.8630,
41.2750

■ 35.9325, 29.5329,
44.0068

■ 39.0265, 35.1021,
46.9460

■ 42.6014, 41.6153,
50.1005

Harmonies

Analogous

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



20.2906, 12.5457, 56.3409



25.5162, 12.5457, 28.6805



26.5657, 12.5457, 9.3767

Triad

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



25.5162, 12.5457, 28.6805



10.3159, 12.5457, 0.0000



5.2040, 12.5457, 44.7022

Complementary

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



25.5162, 12.5457, 28.6805



17.9260, 35.2649, 7.7838

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.



3.9848, 12.5457, 19.0823



25.5162, 12.5457, 28.6805



6.2469, 12.5457, 0.8454

Square

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



25.5162, 12.5457, 28.6805



16.4051, 12.5457, 0.0203



4.2926, 12.5457, 5.0881



8.3442, 12.5457, 69.6994

Rectangle

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



25.5162, 12.5457, 28.6805



24.5107, 12.5457, 3.3759



4.2926, 12.5457, 5.0881



4.6107, 12.5457, 35.3144

Sweetspot

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



25.5166, 12.5464, 28.6807



64.8654, 53.0584, 79.5024



9.6342, 3.9432, 46.7081



13.8207, 10.8593, 17.0375



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.5166, 12.5464, 28.6807



46.1572, 22.7029, 51.4985



20.9595, 10.7235, 4.6834



9.2981, 9.1296, 10.9171



17.1941, 8.4514, 19.4409



0.6267, 0.3062, 0.7936

Inverse Universe

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



25.5166, 12.5464, 28.6807



46.1572, 22.7029, 51.4985



21.6027, 36.7356, 27.1446



9.2981, 9.1296, 10.9171



17.1941, 8.4514, 19.4409



0.6267, 0.3062, 0.7936

Previews

White Background



This preview shows how the XYZ color 25.5162, 12.5457, 28.6805 looks on a white 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

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

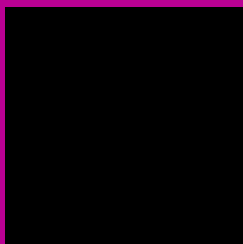
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.5162, 12.5457, 28.6805

Background



This preview shows how black text looks on a background with the XYZ color 25.5162, 12.5457, 28.6805.



This preview shows how white text looks on a background with the XYZ color 25.5162, 12.5457,

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

25.5162, 12.5457, 28.6805

Protanopia

15.8655, 13.3475, 61.4146

Deuteranopia

13.4590, 13.1735, 25.8781



Tritanopia

20.9458, 12.9467, 5.8099

Trichromacy



Original Color

25.5162, 12.5457, 28.6805



Protanomaly

13.3332, 8.4069, 47.3743



Deuteranomaly

15.2453, 10.0255, 26.3309



Tritanomaly

21.8847, 12.0409, 11.2959

Monochromacy



Original Color

25.5162, 12.5457, 28.6805



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.0392, 6.3656, 12.5039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5162, 12.5457, 28.6805 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(186, 0, 147)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 147)  
}
```

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(186, 0, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 147) }
```

Border

The CSS property to change the border of an element to XYZ 25.5162, 12.5457, 28.6805 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(186, 0, 147) }
```


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

```
.border{ border-color:rgb(186, 0, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 0, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 147);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5162, 12.5457, 28.6805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 147) }
```

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

```
.background{ background-color: rgb(186, 0,  
147) }
```

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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