

Converting Colors

XYZ(25.8717, 12.2888, 48.5853)

Have a look what the booklet for
XYZ(25.8717, 12.2888, 48.5853)
contains.

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Color

**XYZ(25.8717, 12.2888,
48.5853)**

Conversions

Conversions Part 1

Format	Color
Hex	AB00BC
RGB	171, 0, 188
RGB Percent	67%, 0%, 74%
CMY	0.3294, 0.9999, 0.2627
CMYK	0.09, 1.00, 0.00, 0.26
HSL	295°, 100%, 37%
HSV	295°, 100%, 74%
XYZ	25.8717, 12.2888, 48.5853
YIQ	72.5610, 41.5680, 94.7200

Conversions

Conversions Part 2

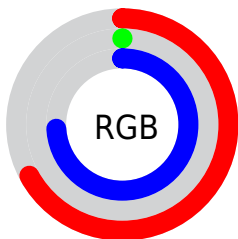
Format	Color
RYB	171, 0, 188
Decimal	11206844
CIELab	41.67, 75.46, -53.40
CIELCh	42, 92.439, 324.714
Yxy	12.2888, 0.2982, 0.1417
Android (android.graphics.Color)	4289396924 (0xFFAB00BC)
YUV	72.5610, 56.9114, 86.3310
Hunter-Lab	35.0554, 70.3903, -57.6347

Details

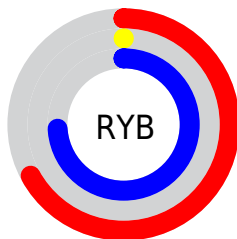
The XYZ color **25.8717, 12.2888, 48.5853** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **18.2148, 36.0859, 6.0058**, and the grayscale version is **6.1580, 6.4787, 7.0553**.

A 20% lighter version of the original color is **52.3631, 29.9126, 89.4001**, and **11.1131, 5.2319, 22.9784** is the 20% darker color. If you saturate the color by 10%, you get **25.8717, 12.2888, 48.5855**, and if you desaturate by 10%, it is **26.4746, 12.9407, 48.6795**.

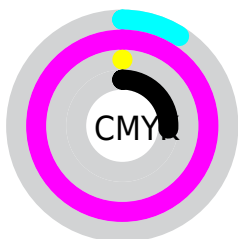
Distribution



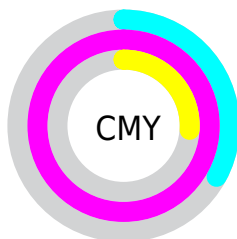
- Red (67%)
- Green (0%)
- Blue (74%)



- Red (67%)
- Yellow (0%)
- Blue (74%)



- Cyan (9%)
- Magenta (100%)
- Yellow (0%)
- Black (26%)




- Cyan (33%)
- Magenta (100%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.8717, 12.2888, 48.5853 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 25.8717, 12.2888, 48.5853 by changing the saturation by 10% instead.


 25.8717, 12.2888,
48.5853

 25.8717, 12.2888,
48.5853


274.4200,
206.3080, 397.6829


 16.8599, 6.9407,
33.9273


 52.5007, 30.0200,
89.4498

 10.2293, 3.4250,
22.5609


 70.8485, 43.1719,
116.4935


 5.6147, 1.3574,
14.0674


 93.0391, 59.6938,
148.5028

 2.6507, 0.1850,
8.0282

 119.4377, 79.9702,
185.8963

 0.9718, 0.0000,
4.0250

 150.4097,
104.3854, 229.0925

 0.0000, 0.0000,
1.6391

 186.3206,

 0.0000, 0.0000,

133.3238, 278.5100

0.3185

227.5355,
167.1699, 334.5672

■ 0.0000, 0.0000,
0.0000

■ 25.8717, 12.2888,
48.5853

■ 25.8717, 12.2888,
48.5853

■ 25.8717, 12.2888,
48.5855

■ 26.4746, 12.9407,
48.6795

■ 27.3033, 14.0376,
48.8476

■ 28.4391, 15.7418,
49.1167

■ 29.9226, 18.1341,
49.5002

■ 31.7880, 21.2830,
50.0097

■ 34.0653, 25.2486,
50.6551

■ 36.7817, 30.0851,
51.4455

■ 39.9619, 35.8419,
52.3891

■ 43.6287, 42.5648,
53.4934

Harmonies

Analogous

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



18.0189, 12.2888, 83.9664



25.8717, 12.2888, 48.5853



30.0522, 12.2888, 17.1209

Triad

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



25.8717, 12.2888, 48.5853



12.9221, 12.2888, 0.0000



3.3917, 12.2888, 35.8327

Complementary

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



25.8717, 12.2888, 48.5853



18.2148, 36.0859, 6.0058

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.



2.9167, 12.2888, 10.2287



25.8717, 12.2888, 48.5853



7.0354, 12.2888, 0.0000

Square

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



25.8717, 12.2888, 48.5853



20.9396, 12.2888, 0.0000



3.9457, 12.2888, 1.3279



5.6543, 12.2888, 72.8054

Rectangle

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



25.8717, 12.2888, 48.5853



29.3592, 12.2888, 5.9638



3.9457, 12.2888, 1.3279



3.0667, 12.2888, 25.2735

Sweetspot

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



25.8722, 12.2893, 48.5856



66.3952, 54.0471, 93.1589



9.3071, 4.0905, 47.8761



13.8138, 10.7924, 19.8976



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.



25.8722, 12.2893, 48.5856



46.7788, 22.2149, 88.0486



23.7091, 11.8797, 16.6093



9.8426, 9.6512, 12.0163



17.6475, 8.3837, 33.0810



0.7164, 0.3414, 1.2970

Inverse Universe

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



20.8406, 10.7323, 1.5041



37.7326, 19.4350, 2.5286



19.2607, 36.4776, 12.7202



9.5643, 9.5500, 10.0945



14.2015, 7.3118, 1.0889



0.5683, 0.2912, 0.1057

Previews

White Background



This preview shows how the XYZ color 25.8717, 12.2888, 48.5853 looks on a white background.

Color Contrast Check

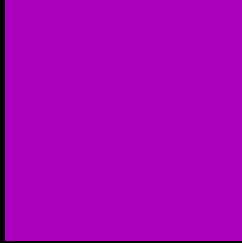
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 25.8717, 12.2888, 48.5853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

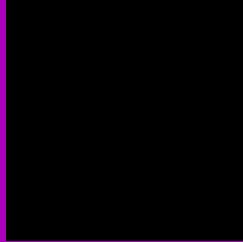
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.8717, 12.2888, 48.5853

Background



This preview shows how black text looks on a background with the XYZ color 25.8717, 12.2888, 48.5853.



This preview shows how white text looks on a background with the XYZ color 25.8717, 12.2888,

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

25.8717, 12.2888, 48.5853

Protanopia

15.2941, 12.9572, 59.4525

Deuteranopia

13.3803, 13.0344, 43.4056



Tritanopia

17.9606, 12.7312, 8.9079

Trichromacy



Original Color

25.8717, 12.2888, 48.5853



Protanomaly

14.0180, 8.5929, 54.9526



Deuteranomaly

13.8869, 9.0016, 44.7216



Tritanomaly

19.4505, 11.1515, 18.5801

Monochromacy



Original Color

25.8717, 12.2888, 48.5853



Achromatopsia

6.3328, 6.6626, 7.2556



Achromatomaly

10.3782, 6.4430, 16.9163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8717, 12.2888, 48.5853 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(171, 0, 188)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 188)  
}
```

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(171, 0, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 188) }
```

Border

The CSS property to change the border of an element to XYZ 25.8717, 12.2888, 48.5853 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(171, 0, 188) }
```


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

```
.border{ border-color:rgb(171, 0, 188) }
```

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

Here you see how a box with a 4 pixel rgb(171, 0, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 188);  
box-shadow:4px 4px 4px 4px rgb(171, 0,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8717, 12.2888, 48.5853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 188) }
```

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

```
.background{ background-color: rgb(171, 0,  
188) }
```

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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