

Converting Colors

XYZ(24.8171, 10.6334, 21.2928)

Have a look what the booklet for
XYZ(24.8171, 10.6334, 21.2928)
contains.

XYZ(25.8886, 12.8960, 21.5468)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.8886, 12.8960,
21.5468)**

Conversions

Conversions Part 1

Format	Color
Hex	C10080
RGB	193, 0, 128
RGB Percent	76%, 0%, 50%
CMY	0.2431, 0.9999, 0.4980
CMYK	0.00, 1.00, 0.34, 0.24
HSL	320°, 100%, 38%
HSV	320°, 100%, 76%
XYZ	25.8886, 12.8960, 21.5468
YIQ	72.2990, 73.9400, 80.7240

Conversions

Conversions Part 2

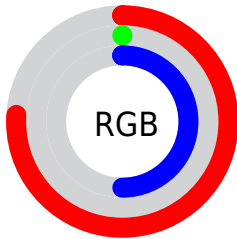
Format	Color
RYB	193, 0, 128
Decimal	12648576
CIELab	42.61, 71.50, -15.50
CIELCh	43, 73.160, 347.766
Yxy	12.8960, 0.4291, 0.2138
Android (android.graphics.Color)	4290838656 (0xFFC10080)
YUV	72.2990, 27.4606, 105.8548
Hunter-Lab	35.9110, 65.8382, -10.4366

Details

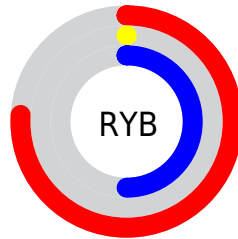
The XYZ color **25.8886, 12.8960, 21.5468** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **20.0255, 38.5222, 11.3863**, and the grayscale version is **6.1596, 6.4804, 7.0571**.

A 20% lighter version of the original color is **52.6217, 31.2234, 46.9693**, and **11.2428, 5.6328, 7.8918** is the 20% darker color. If you saturate the color by 10%, you get **25.8879, 12.8957, 21.5429**, and if you desaturate by 10%, it is **26.5690, 13.5499, 23.9531**.

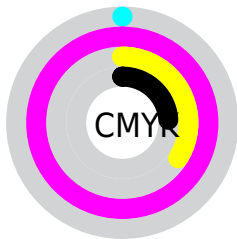
Distribution



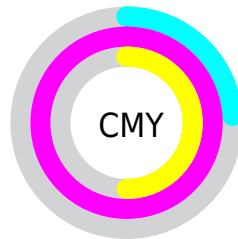
- Red (76%)
- Green (0%)
- Blue (50%)



- Red (76%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (34%)
- Black (24%)





- Cyan (24%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8886, 12.8960, 21.5468 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 25.8886, 12.8960, 21.5468 by changing the saturation by 10% instead.

 25.8886, 12.8960,
21.5468


 25.8886, 12.8960,
21.5468


274.5015,
210.2501, 273.0462


 16.8726, 7.3570,
13.3292


 52.5278, 31.1168,
46.8883

 10.2384, 3.6863,
7.5222


 70.8816, 44.5674,
64.8493


 5.6208, 1.4997,
3.7074

 93.0787, 61.4239,
86.8952

 2.6544, 0.2885,
1.4662

 119.4845, 82.0709,
113.4444

 0.9737, 0.0000,
0.1926

 150.4644,
106.8925, 144.9156

 0.0000, 0.0000,
0.0000

 186.3836,

136.2734, 181.7273

227.6075,
170.5977, 224.2979

■ 25.8886, 12.8960,
21.5468

■ 25.8886, 12.8960,
21.5468

■ 25.8879, 12.8957,
21.5429

■ 26.5690, 13.5499,
23.9531

■ 27.5138, 14.6878,
26.5852

■ 28.8082, 16.4794,
29.4739

■ 30.4958, 19.0113,
32.6362

■ 32.6136, 22.3569,
36.0866

■ 35.1943, 26.5804,
39.8382

■ 38.2672, 31.7398,
43.9030

■ 41.8589, 37.8880,
48.2919

■ 45.9944, 45.0740,
53.0154

Harmonies

Analogous

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



21.9539, 12.8960, 46.1373



25.8886, 12.8960, 21.5468



25.4531, 12.8960, 6.6398

Triad

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



25.8886, 12.8960, 21.5468



9.2865, 12.8960, 0.2648



6.4021, 12.8960, 50.8924

Complementary

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



25.8886, 12.8960, 21.5468



20.0255, 38.5222, 11.3863

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.



4.6555, 12.8960, 25.5553



25.8886, 12.8960, 21.5468



5.9422, 12.8960, 1.8994

Square

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



25.8886, 12.8960, 21.5468



14.6553, 12.8960, 0.1371



4.5174, 12.8960, 8.5195



10.1362, 12.8960, 69.9139

Rectangle

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



25.8886, 12.8960, 21.5468



22.7504, 12.8960, 2.4210



4.5174, 12.8960, 8.5195



5.6189, 12.8960, 42.2276

Sweetspot

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



25.8890, 12.8967, 21.5470



68.2473, 56.3552, 78.2623



11.7636, 4.9530, 50.7881



14.1200, 11.2102, 16.1138



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



25.8890, 12.8967, 21.5470



46.2460, 23.0485, 37.9543



22.2561, 11.4436, 2.4163



10.3484, 10.1880, 11.9253



17.2570, 8.5925, 14.5312



0.7767, 0.3837, 0.7913

Inverse Universe

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



25.8890, 12.8967, 21.5470



46.2460, 23.0485, 37.9543



25.4892, 40.7077, 40.1578



10.3484, 10.1880, 11.9253



17.2570, 8.5925, 14.5312



0.7767, 0.3837, 0.7913

Previews

White Background



This preview shows how the XYZ color 25.8886, 12.8960, 21.5468 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 25.8886, 12.8960, 21.5468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

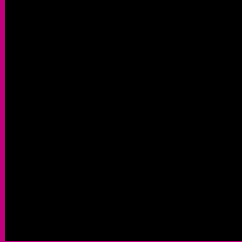
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.8886, 12.8960, 21.5468

Background



This preview shows how black text looks on a background with the XYZ color 25.8886, 12.8960, 21.5468.



This preview shows how white text looks on a background with the XYZ color 25.8886, 12.8960,

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

25.8886, 12.8960, 21.5468

Protanopia

15.2188, 13.6232, 46.6272

Deuteranopia

13.7126, 13.4495, 19.3260



Tritanopia

22.5655, 13.3161, 4.7491

Trichromacy



Original Color

25.8886, 12.8960, 21.5468



Protanomaly

14.9998, 9.6906, 35.7302



Deuteranomaly

15.6628, 10.3903, 19.5924



Tritanomaly

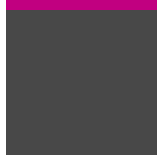
23.1997, 12.5594, 8.7909

Monochromacy



Original Color

25.8886, 12.8960, 21.5468



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.1112, 6.4397, 10.8353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8886, 12.8960, 21.5468 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(193, 0, 128)` looks like.

```
.text, #text, p{  
    color:rgb(193, 0, 128)  
}
```

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(193, 0, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 128) }
```

Border

The CSS property to change the border of an element to XYZ 25.8886, 12.8960, 21.5468 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(193, 0, 128) }
```


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

```
.border{ border-color:rgb(193, 0, 128) }
```

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

Here you see how a box with a 4 pixel rgb(193, 0, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 128);  
box-shadow:4px 4px 4px 4px rgb(193, 0,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8886, 12.8960, 21.5468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 128) }
```

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

```
.background{ background-color: rgb(193, 0,  
128) }
```

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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