

Converting Colors

XYZ(24.7940, 12.1900, 27.8952)

Have a look what the booklet for
XYZ(24.7940, 12.1900, 27.8952)
contains.

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Color

**XYZ(24.8780, 12.2347,
27.8384)**

Conversions

Conversions Part 1

Format	Color
Hex	B80091
RGB	184, 0, 145
RGB Percent	72%, 0%, 57%
CMY	0.2784, 0.9999, 0.4314
CMYK	0.00, 1.00, 0.21, 0.28
HSL	313°, 100%, 36%
HSV	313°, 100%, 72%
XYZ	24.8780, 12.2347, 27.8384
YIQ	71.5460, 63.1190, 84.1030

Conversions

Conversions Part 2

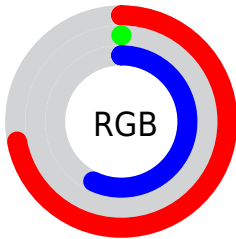
Format	Color
RYB	184, 0, 145
Decimal	12058769
CIELab	41.59, 71.62, -27.65
CIELCh	42, 76.771, 338.889
Yxy	12.2347, 0.3830, 0.1884
Android (android.graphics.Color)	4290248849 (0xFFB80091)
YUV	71.5460, 36.2128, 98.6222
Hunter-Lab	34.9781, 65.7454, -22.7030

Details

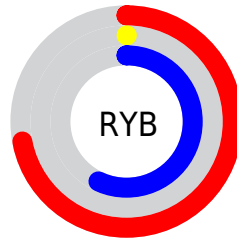
The XYZ color **24.8780, 12.2347, 27.8384** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **17.5076, 34.4280, 7.6444**, and the grayscale version is **6.0173, 6.3307, 6.8941**.

A 20% lighter version of the original color is **50.8655, 29.8536, 57.1142**, and **10.6246, 5.2438, 11.0418** is the 20% darker color. If you saturate the color by 10%, you get **24.8777, 12.2346, 27.8361**, and if you desaturate by 10%, it is **25.4075, 12.8038, 29.5246**.

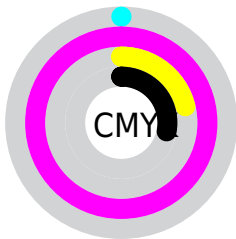
Distribution



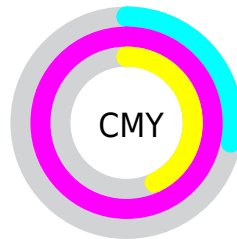
- Red (72%)
- Green (0%)
- Blue (57%)



- Red (72%)
- Yellow (0%)
- Blue (57%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8780, 12.2347, 27.8384 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 24.8780, 12.2347, 27.8384 by changing the saturation by 10% instead.


 24.8780, 12.2347,
27.8384


 24.8780, 12.2347,
27.8384


269.5887,
205.9529, 305.5815


 16.1144, 6.9037,
17.9659


 50.9036, 29.9218,
57.2463


 9.6965, 3.4020,
10.7563


 68.8963, 43.0468,
77.6188


 5.2589, 1.3450,
5.7911

 90.6960, 59.5386,
102.3284

 2.4363, 0.1757,
2.6518

 116.6683, 79.7815,
131.7936

 0.8632, 0.0000,
0.9190

 147.1783,
104.1600, 166.4330

 0.0000, 0.0000,
0.0000

 182.5915,

133.0585, 206.6651

223.2731,
166.8613, 252.9084

■ 24.8780, 12.2347,
27.8384

■ 24.8780, 12.2347,
27.8384

■ 24.8777, 12.2346,
27.8361

■ 25.4075, 12.8038,
29.5246

■ 26.1569, 13.7962,
31.3354

■ 27.2047, 15.3687,
33.2977

■ 28.5893, 17.5977,
35.4247

■ 30.3432, 20.5481,
37.7277

■ 32.4951, 24.2771,
40.2167

■ 35.0706, 28.8360,
42.9007

■ 38.0933, 34.2716,
45.7881

■ 41.5850, 40.6275,
48.8866

Harmonies

Analogous

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



19.8033, 12.2347, 54.7535



24.8780, 12.2347, 27.8384



25.8782, 12.2347, 9.0942

Triad

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



24.8780, 12.2347, 27.8384



10.0398, 12.2347, 0.0000



5.0899, 12.2347, 43.6637

Complementary

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



24.8780, 12.2347, 27.8384



17.5076, 34.4280, 7.6444

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.



3.8942, 12.2347, 18.6899



24.8780, 12.2347, 27.8384



6.0849, 12.2347, 0.8352

Square

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



24.8780, 12.2347, 27.8384



15.9639, 12.2347, 0.0058



4.1879, 12.2347, 5.0036



8.1594, 12.2347, 67.9426

Rectangle

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



24.8780, 12.2347, 27.8384



23.8650, 12.2347, 3.2749



4.1879, 12.2347, 5.0036



4.5090, 12.2347, 34.5219

Sweetspot

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



24.8784, 12.2353, 27.8386



63.3138, 51.8072, 77.5084



9.4087, 3.8514, 45.5951



13.2111, 10.3900, 16.2626



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.8784, 12.2353, 27.8386



45.0064, 22.1420, 49.9812



20.4624, 10.4689, 4.5843



9.2972, 9.1292, 10.9124



17.1720, 8.4425, 19.3243



0.6261, 0.3059, 0.7904

Inverse Universe

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



24.8784, 12.2353, 27.8386



45.0064, 22.1420, 49.9812



21.0907, 35.8612, 26.5126



9.2972, 9.1292, 10.9124



17.1720, 8.4425, 19.3243



0.6261, 0.3059, 0.7904

Previews

White Background



This preview shows how the XYZ color 24.8780, 12.2347, 27.8384 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 24.8780, 12.2347, 27.8384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

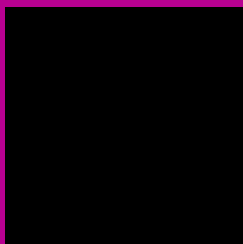
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.8780, 12.2347, 27.8384

Background



This preview shows how black text looks on a background with the XYZ color 24.8780, 12.2347, 27.8384.



This preview shows how white text looks on a background with the XYZ color 24.8780, 12.2347,

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

24.8780, 12.2347, 27.8384

Protanopia

15.5813, 13.0912, 60.0981

Deuteranopia

13.1222, 12.8749, 25.0860



Tritanopia

20.4102, 12.5996, 5.6312

Trichromacy



Original Color

24.8780, 12.2347, 27.8384



Protanomaly

13.2760, 8.4018, 46.2694



Deuteranomaly

14.7499, 9.7042, 25.5218



Tritanomaly

21.3416, 11.7204, 11.0350

Monochromacy



Original Color

24.8780, 12.2347, 27.8384



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 24.8780, 12.2347, 27.8384 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(184, 0, 145)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 145)  
}
```

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(184, 0, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 145) }
```

Border

The CSS property to change the border of an element to XYZ 24.8780, 12.2347, 27.8384 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(184, 0, 145) }
```


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

```
.border{ border-color:rgb(184, 0, 145) }
```

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

Here you see how a box with a 4 pixel rgb(184, 0, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 145);  
box-shadow:4px 4px 4px 4px rgb(184, 0,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8780, 12.2347, 27.8384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 145) }
```

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

```
.background{ background-color: rgb(184, 0,  
145) }
```

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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