

Converting Colors

XYZ(24.9186, 12.4794, 17.7606)

Have a look what the booklet for
XYZ(24.9186, 12.4794, 17.7606)
contains.

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Color

**XYZ(24.8906, 12.4674,
17.6176)**

Conversions

Conversions Part 1

Format	Color
Hex	C00074
RGB	192, 0, 116
RGB Percent	75%, 0%, 45%
CMY	0.2471, 0.9999, 0.5451
CMYK	0.00, 1.00, 0.40, 0.25
HSL	324°, 100%, 38%
HSV	324°, 100%, 75%
XYZ	24.8906, 12.4674, 17.6176
YIQ	70.6320, 77.1960, 76.7800

Conversions

Conversions Part 2

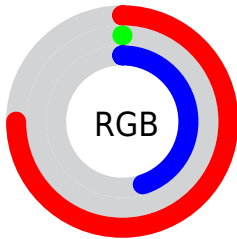
Format	Color
RYB	192, 0, 116
Decimal	12583028
CIELab	41.95, 70.11, -9.07
CIELCh	42, 70.693, 352.629
Yxy	12.4674, 0.4528, 0.2268
Android (android.graphics.Color)	4290773108 (0xFFC00074)
YUV	70.6320, 22.3664, 106.4397
Hunter-Lab	35.3092, 64.0393, -4.8664

Details

The XYZ color **24.8906, 12.4674, 17.6176** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **20.1556, 38.2217, 13.1585**, and the grayscale version is **5.8847, 6.1911, 6.7421**.

A 20% lighter version of the original color is **50.9037, 30.3654, 40.2240**, and **10.5591, 5.3229, 5.9397** is the 20% darker color. If you saturate the color by 10%, you get **24.8899, 12.4671, 17.6138**, and if you desaturate by 10%, it is **25.5880, 13.1253, 20.1217**.

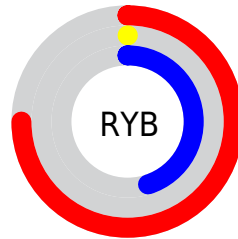
Distribution



Red (75%)

Green (0%)

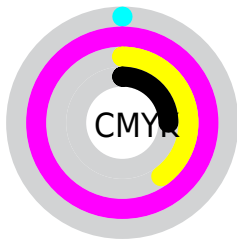
Blue (45%)



Red (75%)

Yellow (0%)

Blue (45%)

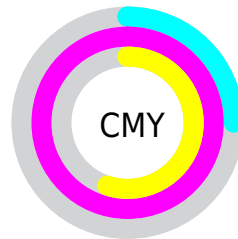


Cyan (0%)

Magenta (100%)

Yellow (40%)

Black (25%)



Cyan (25%)


Magenta (100%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8906, 12.4674, 17.6176 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 24.8906, 12.4674, 17.6176 by changing the saturation by 10% instead.


 24.8906, 12.4674,
17.6176


 24.8906, 12.4674,
17.6176


269.6504,
207.4755, 250.8700


 16.1239, 7.0628,
10.5092


 50.9239, 30.3436,
40.1897

 9.7032, 3.5014,
5.6279


 68.9211, 43.5840,
56.4906


 5.2634, 1.3988,
2.5550


 90.7259, 60.2051,
76.6926

 2.4390, 0.2158,
0.8691

 116.7036, 80.5913,
101.2144

 0.8646, 0.0000,
0.0000

 147.2195,
105.1271, 130.4745

 0.0000, 0.0000,
0.0000

 182.6390,

134.1968, 164.8915

223.3275,
168.1848, 204.8838

■ 24.8906, 12.4674,
17.6176

■ 24.8906, 12.4674,
17.6176

■ 24.8899, 12.4671,
17.6138

■ 25.5880, 13.1253,
20.1217

■ 26.5557, 14.2647,
22.8986

■ 27.8787, 16.0540,
25.9805

■ 29.6003, 18.5787,
29.3857

■ 31.7573, 21.9114,
33.1302

■ 34.3822, 26.1156,
37.2286

■ 37.5042, 31.2488,
41.6940

■ 41.1501, 37.3632,
46.5388

■ 45.3445, 44.5072,
51.7747

Harmonies

Analogous

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



21.7789, 12.4674, 39.6513



24.8906, 12.4674, 17.6176



23.7738, 12.4674, 5.2326

Triad

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



24.8906, 12.4674, 17.6176



8.3850, 12.4674, 0.4947



6.7320, 12.4674, 51.7640

Complementary

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



24.8906, 12.4674, 17.6176



20.1556, 38.2217, 13.1585

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.



4.7779, 12.4674, 27.9534



24.8906, 12.4674, 17.6176



5.5177, 12.4674, 2.5210

Square

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



24.8906, 12.4674, 17.6176



13.1882, 12.4674, 0.1551



4.4104, 12.4674, 10.2034



10.6053, 12.4674, 66.8934

Rectangle

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



24.8906, 12.4674, 17.6176



20.9010, 12.4674, 1.9178



4.4104, 12.4674, 10.2034



5.8817, 12.4674, 43.9338

Sweetspot

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



24.8910, 12.4681, 17.6178



67.6522, 56.1172, 75.1287



12.3096, 5.2473, 50.2332



13.9778, 11.1534, 15.3652



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.



24.8910, 12.4681, 17.6178



44.9716, 22.5388, 31.2435



21.8875, 11.2667, 1.8020



10.3229, 10.1778, 11.7912



16.7875, 8.4047, 12.0587



0.7585, 0.3764, 0.6957

Inverse Universe

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



24.8910, 12.4681, 17.6178



44.9716, 22.5388, 31.2435



26.0683, 40.5867, 44.2940



10.3229, 10.1778, 11.7912



16.7875, 8.4047, 12.0587



0.7585, 0.3764, 0.6957

Previews

White Background



This preview shows how the XYZ color 24.8906, 12.4674, 17.6176 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 24.8906, 12.4674, 17.6176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

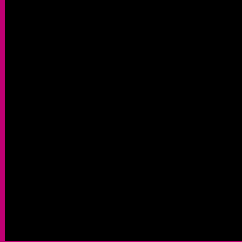
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.8906, 12.4674, 17.6176

Background



This preview shows how black text looks on a background with the XYZ color 24.8906, 12.4674, 17.6176.



This preview shows how white text looks on a background with the XYZ color 24.8906, 12.4674,

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

24.8906, 12.4674, 17.6176

Protanopia

14.2464, 13.1727, 37.8681

Deuteranopia

13.2588, 13.0062, 15.9990



Tritanopia

22.2291, 12.8506, 3.9981

Trichromacy



Original Color

24.8906, 12.4674, 17.6176



Protanomaly

14.5940, 9.5447, 29.0901



Deuteranomaly

15.2393, 10.0819, 16.1817



Tritanomaly

22.5953, 12.1654, 7.2881

Monochromacy



Original Color

24.8906, 12.4674, 17.6176



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.7289, 6.2097, 9.7027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8906, 12.4674, 17.6176 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(192, 0, 116)` looks like.

```
.text, #text, p{  
    color:rgb(192, 0, 116)  
}
```

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(192, 0, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 0, 116) }
```

Border

The CSS property to change the border of an element to XYZ 24.8906, 12.4674, 17.6176 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(192, 0, 116) }
```


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

```
.border{ border-color:rgb(192, 0, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 0, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(192, 0,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8906, 12.4674, 17.6176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 0, 116) }
```

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

```
.background{ background-color: rgb(192, 0,  
116) }
```

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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