

Converting Colors

XYZ(24.5641, 12.9582, 19.5318)

Have a look what the booklet for
XYZ(24.5641, 12.9582, 19.5318)
contains.

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Color

**XYZ(24.4706, 12.8985,
19.6123)**

Conversions

Conversions Part 1

Format	Color
Hex	BB1E7A
RGB	187, 30, 122
RGB Percent	73%, 12%, 48%
CMY	0.2667, 0.8823, 0.5216
CMYK	0.00, 0.84, 0.35, 0.27
HSL	325°, 72%, 43%
HSV	325°, 84%, 73%
XYZ	24.4706, 12.8985, 19.6123
YIQ	87.4310, 64.0400, 61.8960

Conversions

Conversions Part 2

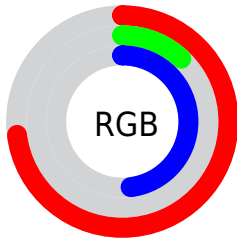
Format	Color
RYB	187, 30, 122
Decimal	12263034
CIELab	42.61, 65.45, -11.90
CIELCh	43, 66.526, 349.697
Yxy	12.8985, 0.4294, 0.2264
Android (android.graphics.Color)	4290453114 (0xFFBB1E7A)
YUV	87.4310, 17.0425, 87.3220
Hunter-Lab	35.9145, 58.7720, -7.2371

Details

The XYZ color **24.4706, 12.8985, 19.6123** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **20.3723, 36.6433, 16.8290**, and the grayscale version is **9.1083, 9.5826, 10.4355**.

A 20% lighter version of the original color is **50.0900, 31.0146, 43.3908**, and **10.2559, 5.1482, 6.7565** is the 20% darker color. If you saturate the color by 10%, you get **23.6687, 12.0322, 17.0716**, and if you desaturate by 10%, it is **25.5919, 14.3424, 22.4483**.

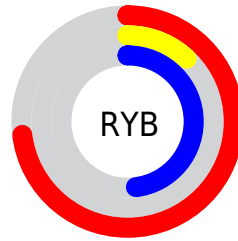
Distribution



Red (73%)

Green (12%)

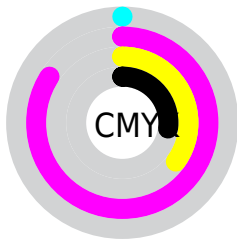
Blue (48%)



Red (73%)

Yellow (12%)

Blue (48%)

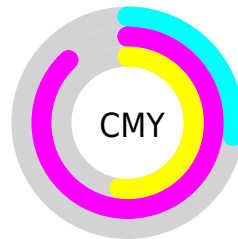


Cyan (0%)

Magenta (84%)

Yellow (35%)

Black (27%)



Cyan (27%)

Magenta (88%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4706, 12.8985, 19.6123 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 24.4706, 12.8985, 19.6123 by changing the saturation by 10% instead.

■ 24.4706, 12.8985,
19.6123

■ 24.4706, 12.8985,
19.6123

267.5877,
210.2661, 262.3429

■ 15.8097, 7.3587,
11.9323

■ 50.2462, 31.1213,
43.6166

■ 9.4796, 3.6874,
6.5756

■ 68.0916, 44.5731,
60.7780

■ 5.1149, 1.5003,
3.1237

■ 89.7292, 61.4310,
81.9368

■ 2.3503, 0.2889,
1.1582

■ 115.5243, 82.0794,
107.5118

■ 0.8202, 0.0000,
0.0000

■ 145.8424,
106.9028, 137.9213

■ 0.0000, 0.0000,
0.0000

■ 181.0487,

136.2854, 173.5840

221.5087,
170.6117, 214.9183

■ 24.4706, 12.8985,
19.6123

■ 24.4706, 12.8985,
19.6123

■ 23.6687, 12.0322,
17.0716

■ 25.5919, 14.3424,
22.4483

■ 23.2847, 11.6813,
15.6577

■ 27.0757, 16.4487,
25.5979

■ 28.9589, 19.2901,
29.0776

■ 31.2736, 22.9292,
32.9020

■ 34.0483, 27.4219,
37.0845

■ 37.3089, 32.8189,
41.6375

■ 41.0796, 39.1672,
46.5726

■ 45.3827, 46.5102,
51.9009

■ 50.2390, 54.8887,
57.6329

Harmonies

Analogous

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



21.2285, 12.8985, 40.7101



24.4706, 12.8985, 19.6123



23.8256, 12.8985, 6.6165

Triad

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



24.4706, 12.8985, 19.6123



9.2765, 12.8985, 0.7573



7.0015, 12.8985, 47.5956

Complementary

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



24.4706, 12.8985, 19.6123



20.3723, 36.6433, 16.8290

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.



5.2151, 12.8985, 25.6208



24.4706, 12.8985, 19.6123



6.2575, 12.8985, 2.6584

Square

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



24.4706, 12.8985, 19.6123



14.0747, 12.8985, 0.5602



4.9863, 12.8985, 9.6445



10.6077, 12.8985, 62.8271

Rectangle

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



24.4706, 12.8985, 19.6123



21.3236, 12.8985, 2.7332



4.9863, 12.8985, 9.6445



6.2155, 12.8985, 40.2548

Sweetspot

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



24.4710, 12.8992, 19.6125



65.9149, 57.2684, 73.3443



13.9291, 6.8343, 47.5986



14.0493, 11.8371, 15.5084



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.



24.4710, 12.8992, 19.6125



41.5823, 20.8729, 27.4075



21.4456, 11.6891, 3.6811



9.7583, 9.6276, 11.1161



16.0801, 8.0632, 10.9811



0.6617, 0.3286, 0.5978

Inverse Universe

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



24.4710, 12.8992, 19.6125



41.5823, 20.8729, 27.4075



25.6856, 38.7686, 44.8081



9.7583, 9.6276, 11.1161



16.0801, 8.0632, 10.9811



0.6617, 0.3286, 0.5978

Previews

White Background



This preview shows how the XYZ color 24.4706, 12.8985, 19.6123 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 24.4706, 12.8985, 19.6123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

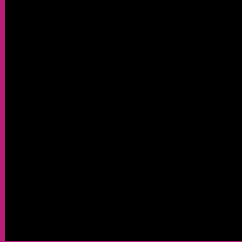
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.4706, 12.8985, 19.6123

Background



This preview shows how black text looks on a background with the XYZ color 24.4706, 12.8985, 19.6123.



This preview shows how white text looks on a background with the XYZ color 24.4706, 12.8985,

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

24.4706, 12.8985, 19.6123

Protanopia

14.4491, 13.3973, 38.8702

Deuteranopia

13.4430, 13.2028, 17.7595



Tritanopia

21.5861, 13.0010, 5.2426

Trichromacy



Original Color

24.4706, 12.8985, 19.6123

Protanomaly

15.1722, 10.9114, 30.5846

Deuteranomaly

15.6513, 11.3328, 18.1922

Tritanomaly

22.1908, 12.6612, 9.0589

Monochromacy



Original Color

24.4706, 12.8985, 19.6123

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

12.4168, 9.0275, 13.1446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4706, 12.8985, 19.6123 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(187, 30, 122)` looks like.

```
.text, #text, p{  
    color:rgb(187, 30, 122)  
}
```

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(187, 30, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 30, 122) }
```

Border

The CSS property to change the border of an element to XYZ 24.4706, 12.8985, 19.6123 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(187, 30, 122) }
```


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

```
.border{ border-color:rgb(187, 30, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 30, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 30, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 30, 122);  
box-shadow:4px 4px 4px 4px rgb(187, 30,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4706, 12.8985, 19.6123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 30, 122) }
```

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

```
.background{ background-color: rgb(187, 30,  
122) }
```

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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