

Converting Colors

XYZ(25.0307, 18.9388, 29.6702)

Have a look what the booklet for
XYZ(25.0307, 18.9388, 29.6702)
contains.

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Color

**XYZ(24.9600, 18.8915,
29.5250)**

Conversions

Conversions Part 1

Format	Color
Hex	A46392
RGB	164, 99, 146
RGB Percent	64%, 39%, 57%
CMY	0.3569, 0.6117, 0.4274
CMYK	0.00, 0.40, 0.11, 0.36
HSL	317°, 26%, 52%
HSV	317°, 40%, 64%
XYZ	24.9600, 18.8915, 29.5250
YIQ	123.7930, 23.6530, 28.3970

Conversions

Conversions Part 2

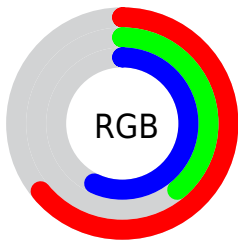
Format	Color
RYB	164, 99, 146
Decimal	10773394
CIELab	50.56, 33.29, -14.69
CIELCh	51, 36.390, 336.187
Yxy	18.8915, 0.3402, 0.2575
Android (android.graphics.Color)	4288963474 (0xFFA46392)
YUV	123.7930, 10.9481, 35.2615
Hunter-Lab	43.4644, 26.4435, -9.8502

Details

The XYZ color **24.9600, 18.8915, 29.5250** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.6328, 30.4885, 21.5756**, and the grayscale version is **19.0490, 20.0411, 21.8247**.

A 20% lighter version of the original color is **51.0071, 41.5190, 59.9692**, and **9.7617, 6.4869, 11.5641** is the 20% darker color. If you saturate the color by 10%, you get **23.2150, 15.9554, 27.2348**, and if you desaturate by 10%, it is **27.0357, 22.4659, 31.9951**.

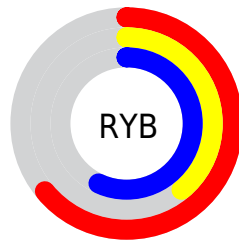
Distribution



Red (64%)

Green (39%)

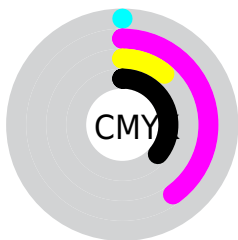
Blue (57%)



Red (64%)

Yellow (39%)

Blue (57%)

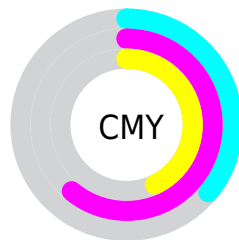


Cyan (0%)

Magenta (40%)

Yellow (11%)

Black (36%)



Cyan (36%)

Magenta (61%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9600, 18.8915, 29.5250 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 24.9600, 18.8915, 29.5250 by changing the saturation by 10% instead.


 24.9600, 18.8915,
29.5250


 24.9600, 18.8915,
29.5250


269.9900,
245.8491, 313.8221


 16.1758, 11.5919,
19.2293


 51.0357, 41.5507,
59.9623


 9.7403, 6.4664,
11.6576


 69.0579, 57.6791,
80.9410

 5.2880, 3.1307,
6.3913

 90.8902, 77.5191,
106.3178

 2.4537, 1.2004,
3.0118

 116.8979,
101.4553, 136.5112

 0.8720, 0.0620,
1.1007

147.4464,
129.8720, 171.9398

 0.0000, 0.0000,
0.0000

182.9010,

163.1536, 213.0222

223.6271,
201.6845, 260.1768

■ 24.9600, 18.8915,
29.5250

■ 24.9600, 18.8915,
29.5250

■ 23.2150, 15.9554,
27.2348

■ 27.0357, 22.4659,
31.9951

■ 21.7796, 13.6166,
25.1160

■ 29.4582, 26.7114,
34.6507

■ 20.6328, 11.8333,
23.1612

■ 32.2445, 31.6615,
37.4983

■ 19.7505, 10.5570,
21.3613

■ 35.4099, 37.3467,
40.5439

■ 19.1039, 9.7310,
19.7060

■ 38.9690, 43.7958,
43.7930

■ 18.6313, 9.2316,
18.1739

■ 42.9354, 51.0359,
47.2509

■ 18.6148, 9.2145,
18.1190

■ 47.3223, 59.0929,
50.9228

■ 52.1420, 67.9915,
54.8134

■ 57.4065, 77.7552,
58.9274

Harmonies

Analogous

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



22.2994, 18.8915, 40.7494



24.9600, 18.8915, 29.5250



25.6411, 18.8915, 18.5321

Triad

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



24.9600, 18.8915, 29.5250



17.2295, 18.8915, 6.6042



12.9866, 18.8915, 34.4207

Complementary

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



24.9600, 18.8915, 29.5250



21.6328, 30.4885, 21.5756

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.



11.9837, 18.8915, 22.7512



24.9600, 18.8915, 29.5250



14.2164, 18.8915, 8.4736

Square

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



24.9600, 18.8915, 29.5250



20.8582, 18.8915, 7.3590



12.4023, 18.8915, 13.6373



15.3360, 18.8915, 44.1670

Rectangle

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



24.9600, 18.8915, 29.5250



24.8113, 18.8915, 13.0865



12.4023, 18.8915, 13.6373



12.4960, 18.8915, 30.4695

Sweetspot

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



24.9606, 18.8924, 29.5254



57.1518, 55.0140, 66.6903



18.4104, 15.3409, 37.1131



12.3573, 11.7829, 14.4412



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



24.9606, 18.8924, 29.5254



42.3502, 29.3126, 49.7277



22.8192, 18.0358, 18.2489



7.2802, 7.1686, 8.4622



14.2936, 7.0735, 14.0026



0.3187, 0.1560, 0.3909

Inverse Universe

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



24.9606, 18.8924, 29.5254



42.3502, 29.3126, 49.7277



23.8333, 31.3688, 33.1633



7.2802, 7.1686, 8.4622



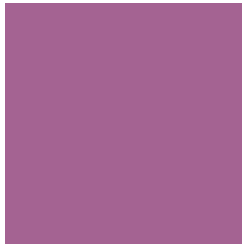
14.2936, 7.0735, 14.0026



0.3187, 0.1560, 0.3909

Previews

White Background



This preview shows how the XYZ color 24.9600, 18.8915, 29.5250 looks on a white 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

Black Background



This preview shows how the XYZ color 24.9600, 18.8915, 29.5250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

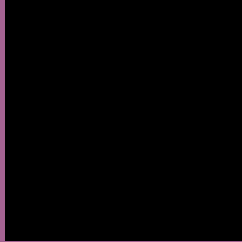
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.9600, 18.8915, 29.5250

Background



This preview shows how black text looks on a background with the XYZ color 24.9600, 18.8915, 29.5250.



This preview shows how white text looks on a background with the XYZ color 24.9600, 18.8915,

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

24.9600, 18.8915, 29.5250

Protanopia

19.2487, 18.9829, 35.9073

Deuteranopia

19.4624, 19.0776, 28.6432



Tritanopia

22.5294, 18.7690, 18.0581

Trichromacy



Original Color

24.9600, 18.8915, 29.5250

Protanomaly

20.7638, 18.6220, 33.5104

Deuteranomaly

21.0350, 18.7009, 28.8865

Tritanomaly

23.2499, 18.7582, 21.7973

Monochromacy



Original Color

24.9600, 18.8915, 29.5250

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.9431, 19.4164, 24.4737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9600, 18.8915, 29.5250 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(164, 99, 146)` looks like.

```
.text, #text, p{  
    color:rgb(164, 99, 146)  
}
```

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(164, 99, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 99, 146) }
```

Border

The CSS property to change the border of an element to XYZ 24.9600, 18.8915, 29.5250 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(164, 99, 146) }
```


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

```
.border{ border-color:rgb(164, 99, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 99, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 99, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 99, 146);  
box-shadow:4px 4px 4px 4px rgb(164, 99,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9600, 18.8915, 29.5250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 99, 146) }
```

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

```
.background{ background-color: rgb(164, 99,  
146) }
```

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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