

Converting Colors

XYZ(24.5844, 20.1886, 38.6780)

Have a look what the booklet for
XYZ(24.5844, 20.1886, 38.6780)
contains.

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Color

**XYZ(24.4915, 20.1081,
38.6668)**

Conversions

Conversions Part 1

Format	Color
Hex	936EA6
RGB	147, 110, 166
RGB Percent	58%, 43%, 65%
CMY	0.4235, 0.5686, 0.3490
CMYK	0.11, 0.34, 0.00, 0.35
HSL	280°, 24%, 54%
HSV	280°, 34%, 65%
XYZ	24.4915, 20.1081, 38.6668
YIQ	127.4470, 4.0760, 25.2600

Conversions

Conversions Part 2

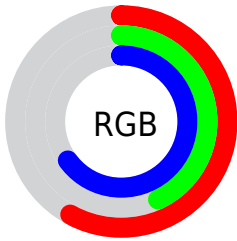
Format	Color
R_{YB}	147, 110, 166
Decimal	9662118
CIE _{Lab}	51.96, 25.24, -24.46
CIE _{LCh}	52, 35.150, 315.905
Yxy	20.1081, 0.2941, 0.2415
Android (android.graphics.Color)	4287852198 (0xFF936EA6)
YUV	127.4470, 19.0066, 17.1480
Hunter-Lab	44.8421, 19.0182, -19.7357

Details

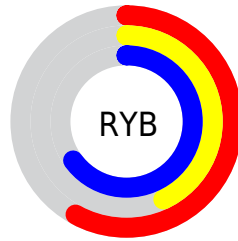
The XYZ color **24.4915, 20.1081, 38.6668** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.5046, 33.0658, 19.7909**, and the grayscale version is **20.2627, 21.3180, 23.2153**.

A 20% lighter version of the original color is **50.3286, 43.6177, 74.1731**, and **9.4792, 7.0930, 16.7891** is the 20% darker color. If you saturate the color by 10%, you get **21.8802, 16.3480, 38.0790**, and if you desaturate by 10%, it is **27.4891, 24.5664, 39.3697**.

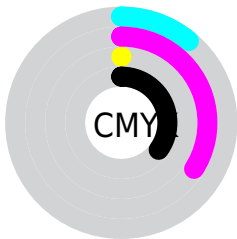
Distribution



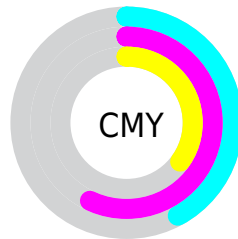
- Red (58%)
- Green (43%)
- Blue (65%)



- Red (58%)
- Yellow (43%)
- Blue (65%)



- Cyan (11%)
- Magenta (34%)
- Yellow (0%)
- Black (35%)




- Cyan (42%)
- Magenta (57%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4915, 20.1081, 38.6668 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 24.4915, 20.1081, 38.6668 by changing the saturation by 10% instead.

 24.4915, 20.1081,
38.6668


 24.4915, 20.1081,
38.6668


267.6906,
252.4997, 355.8554

 15.8253, 12.4736,
26.1948


 50.2799, 43.5983,
74.3437


 9.4907, 7.0671,
16.7423


 68.1329, 60.2229,
98.3858

 5.1223, 3.5041,
9.8909


 89.7788, 80.6130,
127.1215

 2.3547, 1.4002,
5.2221

 115.5831,
105.1530, 160.9696

 0.8224, 0.2169,
2.3171

145.9111,
134.2273, 200.3484

 0.0000, 0.0000,
0.7408

181.1281,

 0.0000, 0.0000,

168.2202, 245.6766

0.0000

221.5995,
207.5162, 297.3728

■ 24.4915, 20.1081,
38.6668

■ 24.4915, 20.1081,
38.6668

■ 21.8802, 16.3480,
38.0790

■ 27.4891, 24.5664,
39.3697

■ 19.6338, 13.2457,
37.5986

■ 30.8889, 29.7553,
40.1920

■ 17.7315, 10.7604,
37.2191

■ 34.7086, 35.7084,
41.1398

■ 16.1496, 8.8455,
36.9329

■ 38.9637, 42.4561,
42.2179

■ 14.8609, 7.4479,
36.7310

■ 43.6694, 50.0275,
43.4314

■ 13.8328, 6.5036,
36.6030

■ 48.8398, 58.4499,
44.7845

■ 13.2735, 6.0476,
36.5444

■ 54.4883, 67.7494,
46.2818

■ 60.6280, 77.9512,
47.9273

■ 65.8503, 86.2370,
49.2514

Harmonies

Analogous

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



21.0603, 20.1081, 46.8372



24.4915, 20.1081, 38.6668



26.5920, 20.1081, 27.0519

Triad

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



24.4915, 20.1081, 38.6668



20.8371, 20.1081, 7.8045



13.2296, 20.1081, 27.7503

Complementary

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



24.4915, 20.1081, 38.6668



25.5046, 33.0658, 19.7909

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.



13.1856, 20.1081, 17.4378



24.4915, 20.1081, 38.6668



17.2880, 20.1081, 7.8858

Square

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



24.4915, 20.1081, 38.6668



24.3106, 20.1081, 10.5728



14.5845, 20.1081, 10.8462



14.7132, 20.1081, 39.3137

Rectangle

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



24.4915, 20.1081, 38.6668



26.8052, 20.1081, 19.9290



14.5845, 20.1081, 10.8462



13.0528, 20.1081, 23.9848

Sweetspot

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



24.4922, 20.1089, 38.6672



58.4305, 57.6737, 73.5278



21.2436, 21.9281, 39.1896



12.8709, 12.5885, 16.4036



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.4922, 20.1089, 38.6672



41.0565, 31.5823, 69.4074



27.4396, 21.7145, 34.9131



7.5910, 7.5373, 9.4731



10.3442, 4.7160, 28.3406



0.3030, 0.1412, 0.6919

Inverse Universe

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



25.2649, 20.8447, 23.4615



42.8288, 33.2114, 37.1665



23.3612, 31.9055, 22.1924



7.6322, 7.5828, 8.3805



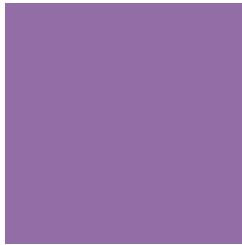
12.7743, 6.5184, 3.6230



0.3346, 0.1681, 0.2136

Previews

White Background



This preview shows how the XYZ color 24.4915, 20.1081, 38.6668 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 24.4915, 20.1081, 38.6668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

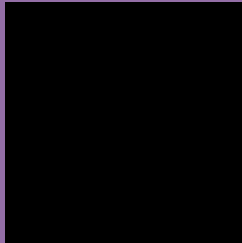
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.4915, 20.1081, 38.6668

Background



This preview shows how black text looks on a background with the XYZ color 24.4915, 20.1081, 38.6668.



This preview shows how white text looks on a background with the XYZ color 24.4915, 20.1081,

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

24.4915, 20.1081, 38.6668

Protanopia

20.9803, 20.2418, 43.8756

Deuteranopia

20.7306, 20.2442, 37.9369



Tritanopia

21.2937, 20.1519, 22.8461

Trichromacy



Original Color

24.4915, 20.1081, 38.6668

Protanomaly

21.9509, 20.0730, 41.7473

Deuteranomaly

22.0224, 20.1855, 38.3328

Tritanomaly

22.2661, 20.0242, 27.8908

Monochromacy



Original Color

24.4915, 20.1081, 38.6668

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.4766, 20.6662, 28.0563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4915, 20.1081, 38.6668 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(147, 110, 166)` looks like.

```
.text, #text, p{  
    color:rgb(147, 110, 166)  
}
```

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(147, 110, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 110, 166) }
```

Border

The CSS property to change the border of an element to XYZ 24.4915, 20.1081, 38.6668 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(147, 110, 166) }
```


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

```
.border{ border-color:rgb(147, 110, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 110, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 110, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 110, 166);  
box-shadow:4px 4px 4px 4px rgb(147, 110,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4915, 20.1081, 38.6668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 110, 166) }
```

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

```
.background{ background-color: rgb(147,  
110, 166) }
```

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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