

Converting Colors

XYZ(25.1915, 16.9438, 38.0978)

Have a look what the booklet for
XYZ(25.1915, 16.9438, 38.0978)
contains.

XYZ(25.1575, 16.8804, 38.0087)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.1575, 16.8804,
38.0087)**

Conversions

Conversions Part 1

Format	Color
Hex	A354A6
RGB	163, 84, 166
RGB Percent	64%, 33%, 65%
CMY	0.3608, 0.6706, 0.3490
CMYK	0.02, 0.49, 0.00, 0.35
HSL	298°, 33%, 49%
HSV	298°, 49%, 65%
XYZ	25.1575, 16.8804, 38.0087
YIQ	116.9690, 20.7620, 42.2500

Conversions

Conversions Part 2

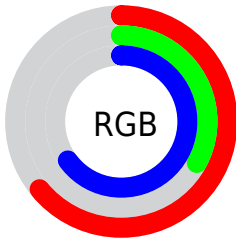
Format	Color
R_{YB}	163, 84, 166
Decimal	10704038
CIE _{Lab}	48.11, 44.70, -30.29
CIE _{LCh}	48, 53.995, 325.877
Yxy	16.8804, 0.3143, 0.2109
Android (android.graphics.Color)	4288894118 (0xFFA354A6)
YUV	116.9690, 24.1723, 40.3692
Hunter-Lab	41.0858, 37.3984, -26.0895

Details

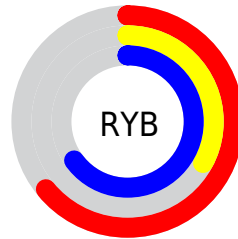
The XYZ color **25.1575, 16.8804, 38.0087** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **19.1676, 29.9392, 13.1570**, and the grayscale version is **16.8226, 17.6987, 19.2739**.

A 20% lighter version of the original color is **51.3705, 38.0444, 73.0424**, and **9.8604, 5.4991, 16.4613** is the 20% darker color. If you saturate the color by 10%, you get **23.8946, 14.5384, 37.6235**, and if you desaturate by 10%, it is **26.7274, 19.8348, 38.4965**.

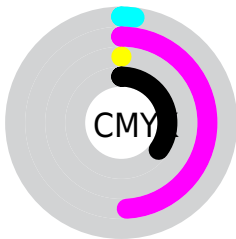
Distribution



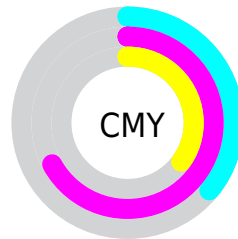
- Red (64%)
- Green (33%)
- Blue (65%)



- Red (64%)
- Yellow (33%)
- Blue (65%)



- Cyan (2%)
- Magenta (49%)
- Yellow (0%)
- Black (35%)





- Cyan (36%)
- Magenta (67%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1575, 16.8804, 38.0087 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 25.1575, 16.8804, 38.0087 by changing the saturation by 10% instead.


 25.1575, 16.8804,
38.0087


 25.1575, 16.8804,
38.0087


270.9546,
234.4822, 352.9566


 16.3238, 10.1493,
25.6876


 51.3537, 38.1200,
73.3250


 9.8459, 5.4980,
16.3664


 69.4469, 53.3973,
97.1573


 5.3584, 2.5423,
9.6266


 91.3572, 72.2921,
125.6637

 2.4959, 0.8978,
5.0498

 117.4502, 95.1887,
159.2628

 0.8932, 0.0000,
2.2172

 148.0910,
122.4717, 198.3731

 0.0000, 0.0000,
0.6843

183.6451,

 0.0000, 0.0000,

154.5253, 243.4131

0.0000

224.4779,
191.7340, 294.8014

■ 25.1575, 16.8804,
38.0087

■ 25.1575, 16.8804,
38.0087

■ 23.8946, 14.5384,
37.6235

■ 26.7274, 19.8348,
38.4965

■ 22.9152, 12.7628,
37.3323

■ 28.6225, 23.4389,
39.0922

■ 22.1949, 11.5046,
37.1275

■ 30.8613, 27.7297,
39.8025

■ 21.7047, 10.7057,
36.9991

■ 33.4607, 32.7408,
40.6327

■ 21.3840, 10.2449,
36.9270

■ 36.4362, 38.5034,
41.5881

■ 21.3658, 10.2193,
36.9231

■ 39.8028, 45.0470,
42.6738

■ 43.5743, 52.3996,
43.8942

■ 47.7640, 60.5877,
45.2538

■ 52.3846, 69.6366,
46.7569

Harmonies

Analogous

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



20.5091, 16.8804, 54.8266



25.1575, 16.8804, 38.0087



27.3721, 16.8804, 20.3853

Triad

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



25.1575, 16.8804, 38.0087



16.7301, 16.8804, 2.4780



8.9828, 16.8804, 32.8201

Complementary

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



25.1575, 16.8804, 38.0087



19.1676, 29.9392, 13.1570

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.



8.3730, 16.8804, 16.5105



25.1575, 16.8804, 38.0087



12.2797, 16.8804, 3.2362

Square

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



25.1575, 16.8804, 38.0087



21.9197, 16.8804, 3.8835



9.4500, 16.8804, 7.0323



11.3255, 16.8804, 50.9107

Rectangle

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



25.1575, 16.8804, 38.0087



26.8973, 16.8804, 11.9519



9.4500, 16.8804, 7.0323



8.5917, 16.8804, 26.7774

Sweetspot

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



25.1581, 16.8811, 38.0091



57.8710, 53.9086, 72.8305



14.0378, 11.6348, 37.5825



12.7421, 11.6625, 16.2316



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.



25.1581, 16.8811, 38.0091



43.2253, 26.1272, 68.2401



22.8659, 16.0361, 22.6946



7.8144, 7.6524, 9.4835



16.5769, 7.9291, 28.6323



0.4114, 0.1971, 0.6970

Inverse Universe

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



20.6171, 15.1366, 10.8527



34.1024, 22.6362, 13.0549



20.7381, 30.5357, 22.8589



7.5418, 7.5466, 7.9044



12.2243, 6.2984, 0.7268



0.3008, 0.1546, 0.0354

Previews

White Background



This preview shows how the XYZ color 25.1575, 16.8804, 38.0087 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 25.1575, 16.8804, 38.0087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

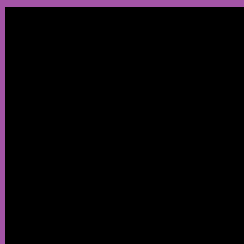
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.1575, 16.8804, 38.0087

Background



This preview shows how black text looks on a background with the XYZ color 25.1575, 16.8804, 38.0087.



This preview shows how white text looks on a background with the XYZ color 25.1575, 16.8804,

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

25.1575, 16.8804, 38.0087

Protanopia

18.6557, 17.1450, 51.0413

Deuteranopia

17.4837, 17.0361, 36.0850



Tritanopia

20.4868, 16.7445, 15.7879

Trichromacy



Original Color

25.1575, 16.8804, 38.0087

Protanomaly

19.7740, 16.2837, 45.8169

Deuteranomaly

19.3883, 16.2847, 36.7717

Tritanomaly

21.9112, 16.6563, 22.4822

Monochromacy



Original Color

25.1575, 16.8804, 38.0087

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

19.2563, 16.9208, 25.1728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1575, 16.8804, 38.0087 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(163, 84, 166)` looks like.

```
.text, #text, p{  
    color:rgb(163, 84, 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(163, 84, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 84, 166) }
```

Border

The CSS property to change the border of an element to XYZ 25.1575, 16.8804, 38.0087 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(163, 84, 166) }
```


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

```
.border{ border-color:rgb(163, 84, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 84, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 84, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 84, 166);  
box-shadow:4px 4px 4px 4px rgb(163, 84,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1575, 16.8804, 38.0087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 84, 166) }
```

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

```
.background{ background-color: rgb(163, 84,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor