

Converting Colors

XYZ(17.2007, 5.4938, 37.8354)

Have a look what the booklet for
XYZ(17.2007, 5.4938, 37.8354)
contains.

XYZ(18.8385, 8.8843, 38.2581)	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(18.8385, 8.8843,
38.2581)**

Conversions

Conversions Part 1

Format	Color
Hex	9100A9
RGB	145, 0, 169
RGB Percent	57%, 0%, 66%
CMY	0.4314, 1.0000, 0.3373
CMYK	0.14, 1.00, 0.00, 0.34
HSL	291°, 100%, 33%
HSV	291°, 100%, 66%
XYZ	18.8385, 8.8843, 38.2581
YIQ	62.6210, 32.1710, 83.2990

Conversions

Conversions Part 2

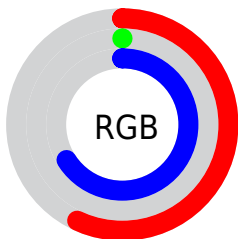
Format	Color
R_{YB}	145, 0, 169
Decimal	9502889
CIE _{Lab}	35.76, 68.42, -51.89
CIE _{LCh}	36, 85.867, 322.823
Yxy	8.8843, 0.2855, 0.1346
Android (android.graphics.Color)	4287692969 (0xFF9100A9)
YUV	62.6210, 52.4448, 72.2464
Hunter-Lab	29.8065, 60.6551, -55.2369

Details

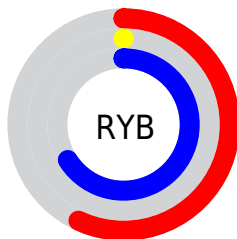
The XYZ color **18.8385, 8.8843, 38.2581** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.5649, 28.5704, 4.7472**, and the grayscale version is **4.5926, 4.8317, 5.2618**.

A 20% lighter version of the original color is **41.0152, 23.7247, 73.6518**, and **7.2722, 3.3848, 16.7930** is the 20% darker color. If you saturate the color by 10%, you get **18.8386, 8.8844, 38.2583**, and if you desaturate by 10%, it is **19.4653, 9.5029, 38.3446**.

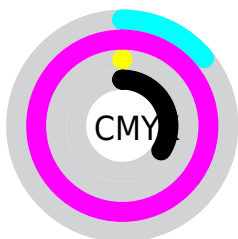
Distribution



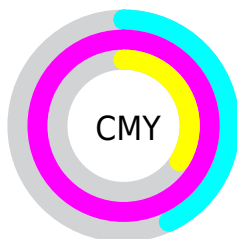
- Red (57%)
- Green (0%)
- Blue (66%)



- Red (57%)
- Yellow (0%)
- Blue (66%)



- Cyan (14%)
- Magenta (100%)
- Yellow (0%)
- Black (34%)



- Cyan (43%)
- Magenta (100%)
- Yellow (34%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8385, 8.8843, 38.2581 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 18.8385, 8.8843, 38.2581 by changing the saturation by 10% instead.


 18.8385, 8.8843,
38.2581


 18.8385, 8.8843,
38.2581

238.5110,
182.5124, 354.0572

 11.6570, 4.6658,
25.8797


 40.9800, 23.6747,
73.7114


 6.5811, 2.0525,
16.5087


 56.6707, 35.0153,
97.6233


 3.2455, 0.6377,
9.7266


 75.9284, 49.4988,
126.2168

 1.2849, 0.0000,
5.1148

 99.1186, 67.5095,
159.9105

 0.1719, 0.0000,
2.2549

 126.6066, 89.4318,
199.1228

 0.0000, 0.0000,
0.7058

 158.7578,

 0.0000, 0.0000,

115.6501, 244.2723

0.0000

195.9375,
146.5489, 295.7776

■ 18.8385, 8.8843,
38.2581

■ 18.8385, 8.8843,
38.2581

■ 18.8386, 8.8844,
38.2583

■ 19.4653, 9.5029,
38.3446

■ 20.2693, 10.4630,
38.4875

■ 21.3193, 11.9017,
38.7099

■ 22.6462, 13.8809,
39.0220

■ 24.2764, 16.4528,
39.4325

■ 26.2328, 19.6636,
39.9491

■ 28.5363, 23.5549,
40.5788

■ 31.2061, 28.1648,
41.3279

■ 34.2597, 33.5286,
42.2023

Harmonies

Analogous

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



12.8189, 8.8843, 64.9817



18.8385, 8.8843, 38.2581



22.2818, 8.8843, 13.5979

Triad

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



18.8385, 8.8843, 38.2581



9.7218, 8.8843, 0.0000



2.2687, 8.8843, 25.0499

Complementary

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



18.8385, 8.8843, 38.2581



14.5649, 28.5704, 4.7472

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.



1.9945, 8.8843, 6.5877



18.8385, 8.8843, 38.2581



5.1989, 8.8843, 0.0000

Square

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



18.8385, 8.8843, 38.2581



15.8122, 8.8843, 0.0000



2.8145, 8.8843, 0.6830



3.8167, 8.8843, 53.3371

Rectangle

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



18.8385, 8.8843, 38.2581



21.9648, 8.8843, 4.7053



2.8145, 8.8843, 0.6830



2.0589, 8.8843, 17.2886

Sweetspot

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



18.8389, 8.8847, 38.2583



50.8667, 41.7754, 72.6076



7.5169, 3.5753, 37.8302



10.7107, 8.4663, 15.7218



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.



18.8389, 8.8847, 38.2583



33.6035, 15.8416, 68.5117



19.1688, 9.5578, 15.5445



7.7356, 7.6118, 9.4799



14.0744, 6.6390, 28.5152



0.3701, 0.1758, 0.6951

Inverse Universe

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



16.5273, 8.5012, 1.6344



29.5530, 15.2063, 2.6837



14.9816, 28.6935, 8.9077



7.5729, 7.5590, 8.0681



12.3300, 6.3407, 1.2836



0.3126, 0.1593, 0.0975

Previews

White Background



This preview shows how the XYZ color 18.8385, 8.8843, 38.2581 looks on a white background.

Color Contrast Check

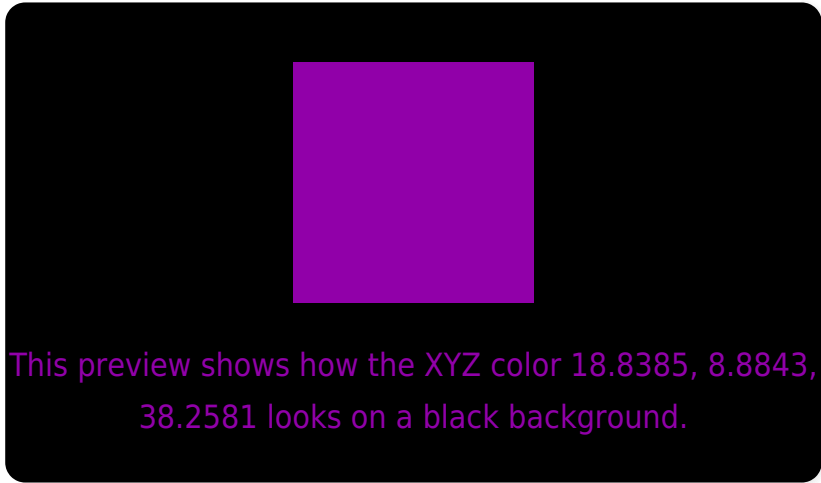
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

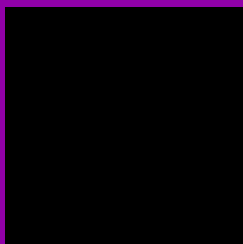
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.8385, 8.8843, 38.2581

Background



This preview shows how black text looks on a background with the XYZ color 18.8385, 8.8843, 38.2581.



This preview shows how white text looks on a background with the XYZ color 18.8385, 8.8843,

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

18.8385, 8.8843, 38.2581

Protanopia

11.1061, 9.5150, 42.8462

Deuteranopia

9.4905, 9.3797, 32.7628



Tritanopia

12.6013, 9.2569, 7.0838

Trichromacy



Original Color

18.8385, 8.8843, 38.2581

Protanomaly

10.3813, 6.3591, 40.7247

Deuteranomaly

9.3154, 6.1584, 34.4159

Tritanomaly

13.7983, 8.0358, 14.7337

Monochromacy



Original Color

18.8385, 8.8843, 38.2581

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

7.6713, 4.8040, 13.0933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8385, 8.8843, 38.2581 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(145, 0, 169)` looks like.

```
.text, #text, p{  
    color:rgb(145, 0, 169)  
}
```

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(145, 0, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 0, 169) }
```

Border

The CSS property to change the border of an element to XYZ 18.8385, 8.8843, 38.2581 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(145, 0, 169) }
```


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

```
.border{ border-color:rgb(145, 0, 169) }
```

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

Here you see how a box with a 4 pixel rgb(145, 0, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 0, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 0, 169);  
box-shadow:4px 4px 4px 4px rgb(145, 0,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8385, 8.8843, 38.2581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 0, 169) }
```

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

```
.background{ background-color: rgb(145, 0,  
169) }
```

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