

Converting Colors

XYZ(17.8080, 8.2163, 44.3903)

Have a look what the booklet for
XYZ(17.8080, 8.2163, 44.3903)
contains.

XYZ(17.8562, 8.2417, 44.3657)	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(17.8562, 8.2417,
44.3657)**

Conversions

Conversions Part 1

Format	Color
Hex	8400B5
RGB	132, 0, 181
RGB Percent	52%, 0%, 71%
CMY	0.4823, 1.0000, 0.2902
CMYK	0.27, 1.00, 0.00, 0.29
HSL	284°, 100%, 35%
HSV	284°, 100%, 71%
XYZ	17.8562, 8.2417, 44.3657
YIQ	60.1020, 20.5710, 84.2750

Conversions

Conversions Part 2

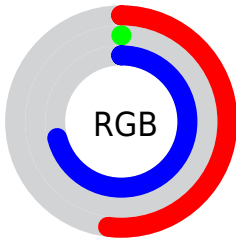
Format	Color
R_{YB}	132, 0, 181
Decimal	8650933
CIE _{Lab}	34.48, 68.77, -61.24
CIE _{LCh}	34, 92.085, 318.318
Yxy	8.2417, 0.2534, 0.1170
Android (android.graphics.Color)	4286841013 (0xFF8400B5)
YUV	60.1020, 59.6027, 63.0545
Hunter-Lab	28.7084, 60.7849, -71.5305

Details

The XYZ color **17.8562, 8.2417, 44.3657** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **17.7906, 33.7008, 5.5673**, and the grayscale version is **4.2274, 4.4475, 4.8433**.

A 20% lighter version of the original color is **39.3217, 22.4280, 83.1455**, and **6.7324, 3.0282, 20.3083** is the 20% darker color. If you saturate the color by 10%, you get **17.8565, 8.2419, 44.3659**, and if you desaturate by 10%, it is **18.8590, 9.0823, 44.4753**.

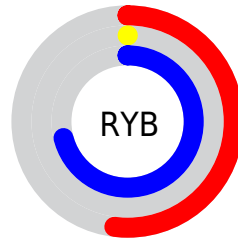
Distribution



Red (52%)

Green (0%)

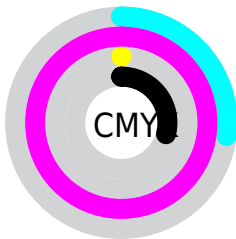
Blue (71%)



Red (52%)

Yellow (0%)

Blue (71%)

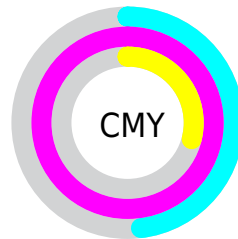


Cyan (27%)

Magenta (100%)

Yellow (0%)

Black (29%)



Cyan (48%)

Magenta (100%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8562, 8.2417, 44.3657 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 17.8562, 8.2417, 44.3657 by changing the saturation by 10% instead.


 17.8562, 8.2417,
44.3657


 17.8562, 8.2417,
44.3657


233.1206,
177.6157, 380.2835


 10.9459, 4.2500,
30.6188


 39.3241, 22.4309,
83.0761


 6.0975, 1.8144,
20.0527


 54.6125, 33.3972,
108.8767

 2.9457, 0.4961,
12.2489


 73.4241, 47.4572,
139.5322

 1.1251, 0.0000,
6.7888

 96.1246, 64.9952,
175.4613

 0.0460, 0.0000,
3.2540

 123.0790, 86.3957,
217.0824

 0.0000, 0.0000,
1.2257

 154.6530,

 0.0000, 0.0000,

112.0430, 264.8141

0.0000

191.2117,
142.3215, 319.0749

17.8562, 8.2417,
44.3657

17.8562, 8.2417,
44.3657

17.8565, 8.2419,
44.3659

18.8590, 9.0823,
44.4753

20.0990, 10.3436,
44.6534

21.6531, 12.1783,
44.9256

23.5585, 14.6602,
45.3042

25.8468, 17.8517,
45.7996

■ 28.5459, 21.8078,
46.4210

■ 31.6807, 26.5779,
47.1765

■ 35.2743, 32.2074,
48.0737

■ 39.3479, 38.7381,
49.1195

Harmonies

Analogous

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



11.3935, 8.2417, 72.2634



17.8562, 8.2417, 44.3657



22.1668, 8.2417, 16.0644

Triad

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



17.8562, 8.2417, 44.3657



10.0246, 8.2417, 0.0000



1.6772, 8.2417, 21.2326

Complementary

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



17.8562, 8.2417, 44.3657



17.7906, 33.7008, 5.5673

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.



1.5728, 8.2417, 4.3540



17.8562, 8.2417, 44.3657



5.1050, 8.2417, 0.0000

Square

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



17.8562, 8.2417, 44.3657



16.4829, 8.2417, 0.0000



2.5061, 8.2417, 0.0000



2.9065, 8.2417, 51.4823

Rectangle

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



17.8562, 8.2417, 44.3657



22.3702, 8.2417, 5.4516



2.5061, 8.2417, 0.0000



1.5383, 8.2417, 13.7575

Sweetspot

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



17.8566, 8.2420, 44.3659



56.4379, 47.1349, 84.4179



9.5369, 5.7289, 44.3193



11.6778, 9.3895, 18.1191



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



17.8566, 8.2420, 44.3659



31.7522, 14.6433, 79.4475



23.9224, 11.7704, 26.5173



8.6212, 8.5288, 10.6982



12.3787, 5.7173, 30.5881



0.4417, 0.2068, 0.9649

Inverse Universe

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



19.6105, 10.0456, 3.8112



35.0405, 17.9588, 6.3970



16.8938, 33.1958, 7.4556



8.5877, 8.5418, 9.3274



13.5445, 6.9353, 2.7611



0.4512, 0.2282, 0.2185

Previews

White Background



This preview shows how the XYZ color 17.8562, 8.2417, 44.3657 looks on a white background.

Color Contrast Check

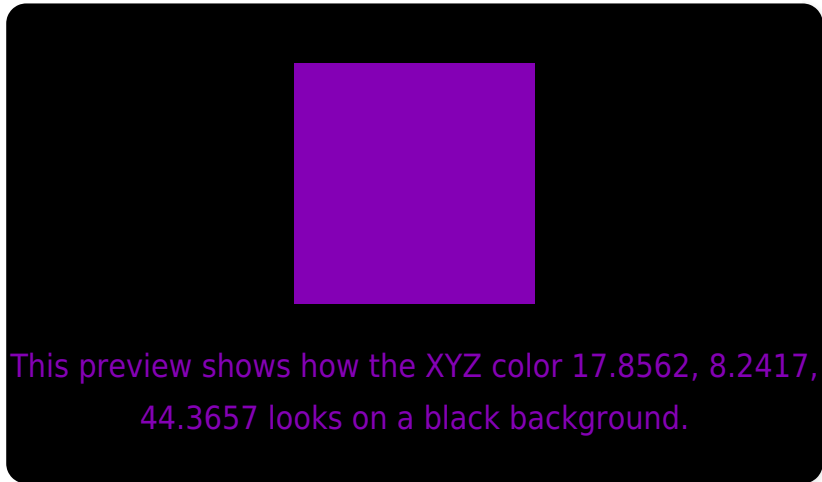
Large Text (above 18pt) WCAG AA ✓ Pass

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

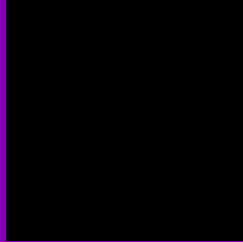
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8562, 8.2417, 44.3657

Background



This preview shows how black text looks on a background with the XYZ color 17.8562, 8.2417, 44.3657.



This preview shows how white text looks on a background with the XYZ color 17.8562, 8.2417,

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

17.8562, 8.2417, 44.3657

Protanopia

10.1981, 8.7871, 39.1888

Deuteranopia

8.6731, 8.7937, 29.2572



Tritanopia

10.6280, 8.6731, 7.9514

Trichromacy



Original Color

17.8562, 8.2417, 44.3657



Protanomaly

10.0869, 6.1404, 40.6980



Deuteranomaly

8.9303, 5.8988, 33.9256



Tritanomaly

11.8608, 7.1566, 16.6758

Monochromacy



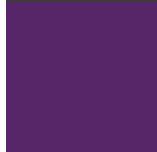
Original Color

17.8562, 8.2417, 44.3657



Achromatopsia

4.2949, 4.5186, 4.9208



Achromatomaly

7.0296, 4.3641, 13.5686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8562, 8.2417, 44.3657 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(132, 0, 181)` looks like.

```
.text, #text, p{  
    color:rgb(132, 0, 181)  
}
```

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(132, 0, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 0, 181) }
```

Border

The CSS property to change the border of an element to XYZ 17.8562, 8.2417, 44.3657 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(132, 0, 181) }
```


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

```
.border{ border-color:rgb(132, 0, 181) }
```

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

Here you see how a box with a 4 pixel rgb(132, 0, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 0, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 0, 181);  
box-shadow:4px 4px 4px 4px rgb(132, 0,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8562, 8.2417, 44.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 0, 181) }
```

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

```
.background{ background-color: rgb(132, 0,  
181) }
```

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