

Converting Colors

XYZ(18.7952, 9.9012, 23.2875)

Have a look what the booklet for
XYZ(18.7952, 9.9012, 23.2875)
contains.

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Color

**XYZ(18.7985, 9.8911,
23.1087)**

Conversions

Conversions Part 1

Format	Color
Hex	9E1E85
RGB	158, 30, 133
RGB Percent	62%, 12%, 52%
CMY	0.3804, 0.8823, 0.4784
CMYK	0.00, 0.81, 0.16, 0.38
HSL	312°, 68%, 37%
HSV	312°, 81%, 62%
XYZ	18.7985, 9.8911, 23.1087
YIQ	80.0140, 43.2250, 59.1690

Conversions

Conversions Part 2

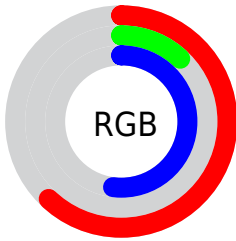
Format	Color
R_{YB}	158, 30, 133
Decimal	10362501
CIE _{Lab}	37.65, 60.08, -26.80
CIE _{LCh}	38, 65.791, 335.957
Yxy	9.8911, 0.3629, 0.1910
Android (android.graphics.Color)	4288552581 (0xFF9E1E85)
YUV	80.0140, 26.1221, 68.3937
Hunter-Lab	31.4501, 51.6561, -21.5496

Details

The XYZ color **18.7985, 9.8911, 23.1087** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **13.4524, 25.0060, 7.7331**, and the grayscale version is **7.5734, 7.9678, 8.6770**.

A 20% lighter version of the original color is **40.9229, 25.6263, 49.2439**, and **7.0408, 3.4493, 8.4783** is the 20% darker color. If you saturate the color by 10%, you get **18.2841, 9.1983, 21.9007**, and if you desaturate by 10%, it is **19.5203, 10.9882, 24.4169**.

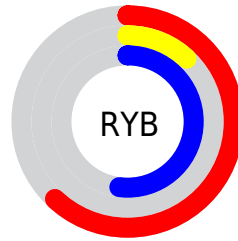
Distribution



Red (62%)

Green (12%)

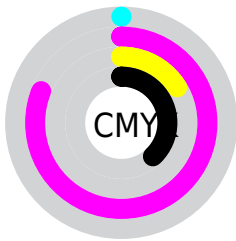
Blue (52%)



Red (62%)

Yellow (12%)

Blue (52%)

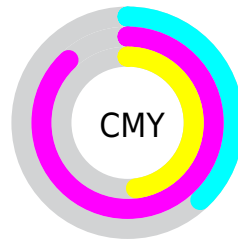


Cyan (0%)

Magenta (81%)

Yellow (16%)

Black (38%)



Cyan (38%)


Magenta (88%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.7985, 9.8911, 23.1087 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 18.7985, 9.8911, 23.1087 by changing the saturation by 10% instead.


 18.7985, 9.8911,
23.1087

 18.7985, 9.8911,
23.1087


238.2936,
189.8931, 281.4228


 11.6279, 5.3268,
14.4677


 40.9128, 25.5905,
49.4972


 6.5612, 2.4403,
8.3042


 56.5873, 37.4943,
68.0818


 3.2331, 0.8465,
4.1997

 75.8271, 52.6135,
90.8181

 1.2782, 0.0000,
1.7355

 98.9976, 71.3324,
118.1245

 0.1668, 0.0000,
0.3849

 126.4642, 94.0354,
150.4197

 0.0000, 0.0000,
0.0000

 158.5921,

121.1070, 188.1221

195.7468,
152.9314, 231.6503

■ 18.7985, 9.8911,
23.1087

■ 18.7985, 9.8911,
23.1087

■ 18.2841, 9.1983,
21.9007

■ 19.5203, 10.9882,
24.4169

■ 17.9405, 8.8051,
20.8802

■ 20.4749, 12.5411,
25.8338

■ 21.6852, 14.5950,
27.3674

■ 23.1709, 17.1895,
29.0244

■ 24.9497, 20.3601,
30.8112

■ 27.0381, 24.1392,
32.7332

■ 29.4511, 28.5570,
34.7959

■ 32.2027, 33.6414,
37.0041

■ 35.3063, 39.4191,
39.3625

Harmonies

Analogous

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



14.9439, 9.8911, 42.1389



18.7985, 9.8911, 23.1087



19.8539, 9.8911, 8.5565

Triad

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



18.7985, 9.8911, 23.1087



8.5928, 9.8911, 0.0000



4.2868, 9.8911, 30.6844

Complementary

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



18.7985, 9.8911, 23.1087



13.4524, 25.0060, 7.7331

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.



3.4655, 9.8911, 13.3350



18.7985, 9.8911, 23.1087



5.4328, 9.8911, 0.8147

Square

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



18.7985, 9.8911, 23.1087



13.0642, 9.8911, 0.3373



3.8122, 9.8911, 3.8578



6.4961, 9.8911, 48.3425

Rectangle

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



18.7985, 9.8911, 23.1087



18.6193, 9.8911, 3.5175



3.8122, 9.8911, 3.8578



3.8745, 9.8911, 24.2851

Sweetspot

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



18.7988, 9.8916, 23.1089



47.7227, 41.3323, 58.2063



8.1293, 4.1674, 32.7240



10.4715, 8.7982, 12.8576



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.7988, 9.8916, 23.1089



32.6874, 16.1406, 38.1536



15.6878, 8.6472, 6.7262



6.8486, 6.7324, 8.0537



14.3823, 7.0575, 16.7959



0.2702, 0.1314, 0.3690

Inverse Universe

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



18.7988, 9.8916, 23.1089



32.6874, 16.1406, 38.1536



16.0012, 26.0256, 21.1549



6.8486, 6.7324, 8.0537



14.3823, 7.0575, 16.7959



0.2702, 0.1314, 0.3690

Previews

White Background



This preview shows how the XYZ color 18.7985, 9.8911, 23.1087 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



This preview shows how the XYZ color 18.7985, 9.8911, 23.1087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

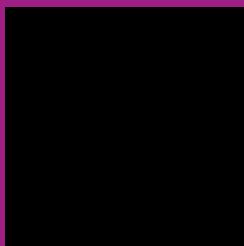
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.7985, 9.8911, 23.1087

Background



This preview shows how black text looks on a background with the XYZ color 18.7985, 9.8911, 23.1087.



This preview shows how white text looks on a background with the XYZ color 18.7985, 9.8911,

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

18.7985, 9.8911, 23.1087

Protanopia

12.0984, 10.3447, 44.5391

Deuteranopia

10.4159, 10.2451, 20.8306



Tritanopia

15.3043, 10.0384, 5.5459

Trichromacy



Original Color

18.7985, 9.8911, 23.1087



Protanomaly

11.4607, 8.0366, 35.5975



Deuteranomaly

12.0268, 8.8186, 21.4903



Tritanomaly

16.1037, 9.6720, 10.0350

Monochromacy



Original Color

18.7985, 9.8911, 23.1087



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

10.1591, 7.5342, 12.7232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7985, 9.8911, 23.1087 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(158, 30, 133)` looks like.

```
.text, #text, p{  
    color:rgb(158, 30, 133)  
}
```

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(158, 30, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 30, 133) }
```

Border

The CSS property to change the border of an element to XYZ 18.7985, 9.8911, 23.1087 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(158, 30, 133) }
```


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

```
.border{ border-color:rgb(158, 30, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 30, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 30, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 30, 133);  
box-shadow:4px 4px 4px 4px rgb(158, 30,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7985, 9.8911, 23.1087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 30, 133) }
```

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

```
.background{ background-color: rgb(158, 30,  
133) }
```

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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