

Converting Colors

XYZ(18.1452, 13.8936, 20.2055)

Have a look what the booklet for
XYZ(18.1452, 13.8936, 20.2055)
contains.

XYZ(18.1683, 13.9004, 20.1378)	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(18.1683, 13.9004,
20.1378)**

Conversions

Conversions Part 1

Format	Color
Hex	8F567A
RGB	143, 86, 122
RGB Percent	56%, 34%, 48%
CMY	0.4392, 0.6627, 0.5216
CMYK	0.00, 0.40, 0.15, 0.44
HSL	322°, 25%, 45%
HSV	322°, 40%, 56%
XYZ	18.1683, 13.9004, 20.1378
YIQ	107.1470, 22.4160, 23.2800

Conversions

Conversions Part 2

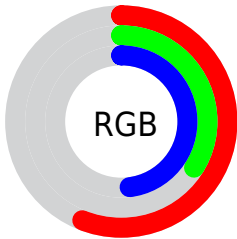
Format	Color
R_{YB}	143, 86, 122
Decimal	9393786
CIE _{Lab}	44.09, 29.02, -10.35
CIE _{LCh}	44, 30.806, 340.374
Yxy	13.9004, 0.3480, 0.2663
Android (android.graphics.Color)	4287583866 (0xFF8F567A)
YUV	107.1470, 7.3225, 31.4431
Hunter-Lab	37.2832, 21.7382, -5.9260

Details

The XYZ color **18.1683, 13.9004, 20.1378** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.3147, 22.6852, 17.4298**, and the grayscale version is **13.9923, 14.7210, 16.0311**.

A 20% lighter version of the original color is **39.8743, 32.9531, 44.3034**, and **6.2101, 4.0914, 6.7657** is the 20% darker color. If you saturate the color by 10%, you get **16.8211, 11.7143, 18.1216**, and if you desaturate by 10%, it is **19.7625, 16.5518, 22.3240**.

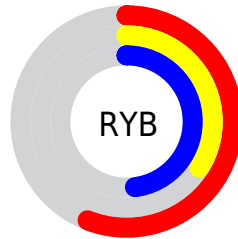
Distribution



Red (56%)

Green (34%)

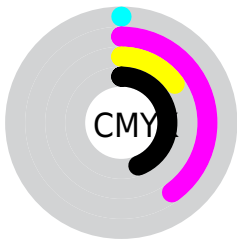
Blue (48%)



Red (56%)

Yellow (34%)

Blue (48%)

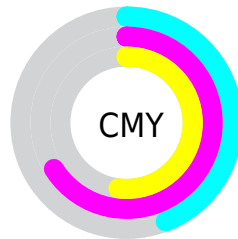


Cyan (0%)

Magenta (40%)

Yellow (15%)

Black (44%)



Cyan (44%)

Magenta (66%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1683, 13.9004, 20.1378 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 18.1683, 13.9004, 20.1378 by changing the saturation by 10% instead.

■ 18.1683, 13.9004,
20.1378

■ 18.1683, 13.9004,
20.1378

234.8452,
216.6103, 265.2890

■ 11.1713, 8.0514,
12.3102

■ 39.8517, 32.9122,
44.5101

■ 6.2503, 4.1279,
6.8302

■ 55.2689, 46.8438,
61.8919

■ 3.0400, 1.7453,
3.2793

■ 74.2235, 64.2384,
83.2954

■ 1.1749, 0.4528,
1.2390

■ 97.0808, 85.4804,
109.1393

■ 0.0864, 0.0000,
0.0110

■ 124.2063,
110.9542, 139.8421

■ 0.0000, 0.0000,
0.0000

155.9653,

141.0442, 175.8222

192.7232,
176.1348, 217.4984

■ 18.1683, 13.9004,
20.1378

■ 18.1683, 13.9004,
20.1378

■ 16.8211, 11.7143,
18.1216

■ 19.7625, 16.5518,
22.3240

■ 15.7057, 9.9640,
16.2684

■ 21.6152, 19.6917,
24.6849

■ 14.8070, 8.6196,
14.5721

■ 23.7388, 23.3443,
27.2261

■ 14.1076, 7.6469,
13.0253

■ 26.1445, 27.5314,
29.9527

■ 13.5872, 7.0057,
11.6198

■ 28.8428, 32.2736,
32.8692

■ 13.1920, 6.5889,
10.3362

■ 31.8435, 37.5904,
35.9804

■ 13.1865, 6.5832,
10.3185

■ 35.1563, 43.5005,
39.2905

■ 38.7902, 50.0215,
42.8038

■ 42.7538, 57.1704,
46.5243

Harmonies

Analogous

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



16.5070, 13.9004, 27.9266



18.1683, 13.9004, 20.1378



18.4127, 13.9004, 12.8317

Triad

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



18.1683, 13.9004, 20.1378



12.3810, 13.9004, 5.3604



9.9361, 13.9004, 25.6737

Complementary

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



18.1683, 13.9004, 20.1378



16.3147, 22.6852, 17.4298

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.



9.0961, 13.9004, 17.6990



18.1683, 13.9004, 20.1378



10.3874, 13.9004, 7.0036

Square

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



18.1683, 13.9004, 20.1378



14.8594, 13.9004, 5.6475



9.2504, 13.9004, 11.0383



11.6909, 13.9004, 31.7462

Rectangle

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



18.1683, 13.9004, 20.1378



17.7107, 13.9004, 9.2833



9.2504, 13.9004, 11.0383



9.5478, 13.9004, 23.0399

Sweetspot

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



18.1687, 13.9010, 20.1381



41.5558, 40.1527, 47.6373



14.3378, 11.7592, 27.5007



9.4285, 9.0335, 10.8046



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.1687, 13.9010, 20.1381



30.3109, 21.2775, 32.7457



16.6585, 13.2969, 12.1852



5.5431, 5.4778, 6.3579



11.6697, 5.8249, 9.1778



0.1222, 0.0600, 0.1439

Inverse Universe

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



18.1687, 13.9010, 20.1381



30.3109, 21.2775, 32.7457



18.0621, 23.3842, 26.6315



5.5431, 5.4778, 6.3579



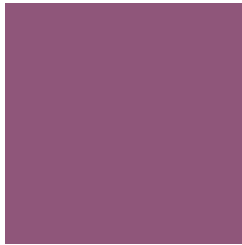
11.6697, 5.8249, 9.1778



0.1222, 0.0600, 0.1439

Previews

White Background



This preview shows how the XYZ color 18.1683, 13.9004, 20.1378 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 18.1683, 13.9004, 20.1378 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 18.1683, 13.9004, 20.1378

Background



This preview shows how black text looks on a background with the XYZ color 18.1683, 13.9004, 20.1378.



This preview shows how white text looks on a background with the XYZ color 18.1683, 13.9004,

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

18.1683, 13.9004, 20.1378

Protanopia

14.1832, 14.1632, 24.5405

Deuteranopia

14.2655, 14.0228, 19.4076



Tritanopia

16.7609, 13.9395, 13.3625

Trichromacy



Original Color

18.1683, 13.9004, 20.1378

Protanomaly

15.2434, 13.7385, 22.9675

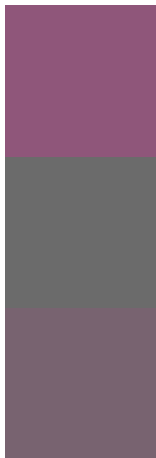
Deuteranomaly

15.4582, 13.7868, 19.6157

Tritanomaly

17.2107, 13.8690, 15.6798

Monochromacy



Original Color

18.1683, 13.9004, 20.1378

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.1322, 14.0866, 17.2507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1683, 13.9004, 20.1378 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(143, 86, 122)` looks like.

```
.text, #text, p{  
    color:rgb(143, 86, 122)  
}
```

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(143, 86, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 86, 122) }
```

Border

The CSS property to change the border of an element to XYZ 18.1683, 13.9004, 20.1378 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(143, 86, 122) }
```


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

```
.border{ border-color:rgb(143, 86, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 86, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 86, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 86, 122);  
box-shadow:4px 4px 4px 4px rgb(143, 86,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1683, 13.9004, 20.1378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 86, 122) }
```

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

```
.background{ background-color: rgb(143, 86,  
122) }
```

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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