

Converting Colors

XYZ(18.6522, 14.3040, 20.9697)

Have a look what the booklet for
XYZ(18.6522, 14.3040, 20.9697)
contains.

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Color

**XYZ(18.5479, 14.2009,
20.8323)**

Conversions

Conversions Part 1

Format	Color
Hex	90577C
RGB	144, 87, 124
RGB Percent	56%, 34%, 49%
CMY	0.4353, 0.6588, 0.5137
CMYK	0.00, 0.40, 0.14, 0.44
HSL	321°, 25%, 45%
HSV	321°, 40%, 56%
XYZ	18.5479, 14.2009, 20.8323
YIQ	108.2610, 22.0950, 23.5910

Conversions

Conversions Part 2

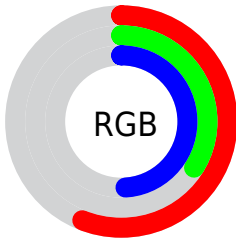
Format	Color
RYB	144, 87, 124
Decimal	9459580
CIELab	44.52, 29.16, -10.90
CIElCh	45, 31.127, 339.500
Yxy	14.2009, 0.3462, 0.2650
Android (android.graphics.Color)	4287649660 (0xFF90577C)
YUV	108.2610, 7.7593, 31.3431
Hunter-Lab	37.6841, 21.9096, -6.3975

Details

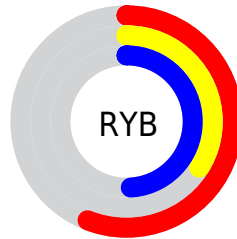
The XYZ color **18.5479, 14.2009, 20.8323** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.5582, 23.0347, 17.4843**, and the grayscale version is **14.3020, 15.0469, 16.3860**.

A 20% lighter version of the original color is **40.5775, 33.4934, 45.9212**, and **6.4092, 4.2343, 7.1361** is the 20% darker color. If you saturate the color by 10%, you get **17.1849, 11.9731, 18.8416**, and if you desaturate by 10%, it is **20.1607, 16.9017, 22.9873**.

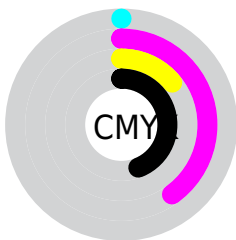
Distribution



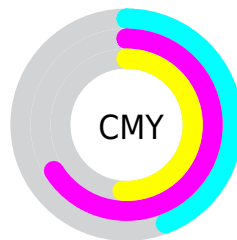
- Red (56%)
- Green (34%)
- Blue (49%)



- Red (56%)
- Yellow (34%)
- Blue (49%)



- Cyan (0%)
- Magenta (40%)
- Yellow (14%)
- Black (44%)



- Cyan (44%)
- Magenta (66%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5479, 14.2009, 20.8323 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 18.5479, 14.2009, 20.8323 by changing the saturation by 10% instead.

18.5479, 14.2009,
20.8323

18.5479, 14.2009,
20.8323

236.9277,
218.4771, 269.1376

11.4461, 8.2605,
12.8114

40.4916, 33.4451,
45.6854

6.4372, 4.2621,
7.1696

56.0641, 47.5177,
63.3548

3.1559, 1.8212,
3.4884

75.1910, 65.0698,
85.0773

1.2367, 0.5004,
1.3491

98.2376, 86.4858,
111.2717

0.1351, 0.0000,
0.1015

125.5692,
112.1502, 142.3563

0.0000, 0.0000,
0.0000

157.5512,

142.4472, 178.7499

194.5489,
177.7614, 220.8708

■ 18.5479, 14.2009,
20.8323

■ 18.5479, 14.2009,
20.8323

■ 17.1849, 11.9731,
18.8416

■ 20.1607, 16.9017,
22.9873

■ 16.0563, 10.1885,
17.0086

■ 22.0350, 20.0991,
25.3114

■ 15.1469, 8.8168,
15.3269

■ 24.1833, 23.8176,
27.8099

■ 14.4390, 7.8232,
13.7896

■ 26.6170, 28.0794,
30.4877

■ 13.9121, 7.1669,
12.3885

■ 29.3465, 32.9053,
33.3495

■ 13.5145, 6.7449,
11.1049

■ 32.3821, 38.3153,
36.3998

■ 13.4985, 6.7281,
11.0530

■ 35.7333, 44.3282,
39.6428

■ 39.4093, 50.9619,
43.0825

■ 43.4189, 58.2337,
46.7230

Harmonies

Analogous

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



16.8100, 14.2009, 28.7861



18.5479, 14.2009, 20.8323



18.8458, 14.2009, 13.2891

Triad

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



18.5479, 14.2009, 20.8323



12.7157, 14.2009, 5.4362



10.1020, 14.2009, 26.0399

Complementary

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



18.5479, 14.2009, 20.8323



16.5582, 23.0347, 17.4843

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.



9.2709, 14.2009, 17.8605



18.5479, 14.2009, 20.8323



10.6516, 14.2009, 7.0541

Square

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



18.5479, 14.2009, 20.8323



15.2613, 14.2009, 5.7854



9.4588, 14.2009, 11.1050



11.8752, 14.2009, 32.3825

Rectangle

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



18.5479, 14.2009, 20.8323



18.1547, 14.2009, 9.6003



9.4588, 14.2009, 11.1050



9.7139, 14.2009, 23.3262

Sweetspot

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



18.5483, 14.2016, 20.8326



41.5952, 40.1685, 47.8448



14.5003, 11.9534, 27.9288



9.4383, 9.0374, 10.8563



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.



18.5483, 14.2016, 20.8326



30.6701, 21.6989, 33.7807



17.0010, 13.5826, 12.6844



5.5470, 5.4793, 6.3783



11.7660, 5.8634, 9.6849



0.1230, 0.0602, 0.1477

Inverse Universe

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



18.5483, 14.2016, 20.8326



30.6701, 21.6989, 33.7807



18.3092, 23.7351, 26.7049



5.5470, 5.4793, 6.3783



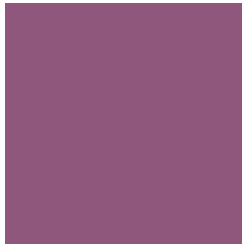
11.7660, 5.8634, 9.6849



0.1230, 0.0602, 0.1477

Previews

White Background



This preview shows how the XYZ color 18.5479, 14.2009, 20.8323 looks on a white background.

Color Contrast Check

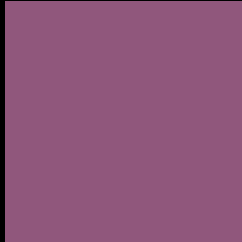
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5479, 14.2009, 20.8323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

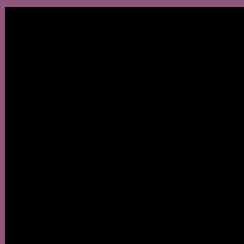
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5479, 14.2009, 20.8323

Background



This preview shows how black text looks on a background with the XYZ color 18.5479, 14.2009, 20.8323.



This preview shows how white text looks on a background with the XYZ color 18.5479, 14.2009,

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

18.5479, 14.2009, 20.8323

Protanopia

14.5325, 14.4774, 25.3210

Deuteranopia

14.6081, 14.3322, 20.0856



Tritanopia

17.0638, 14.2179, 13.6493

Trichromacy



Original Color

18.5479, 14.2009, 20.8323

Protanomaly

15.6028, 14.0461, 23.7186

Deuteranomaly

15.8136, 14.0921, 20.2989

Tritanomaly

17.5183, 14.1458, 15.9945

Monochromacy



Original Color

18.5479, 14.2009, 20.8323

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.4796, 14.3942, 17.8821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5479, 14.2009, 20.8323 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(144, 87, 124)` looks like.

```
.text, #text, p{  
    color:rgb(144, 87, 124)  
}
```

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(144, 87, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 87, 124) }
```

Border

The CSS property to change the border of an element to XYZ 18.5479, 14.2009, 20.8323 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(144, 87, 124) }
```


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

```
.border{ border-color:rgb(144, 87, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 87, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 87, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 87, 124);  
box-shadow:4px 4px 4px 4px rgb(144, 87,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5479, 14.2009, 20.8323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 87, 124) }
```

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

```
.background{ background-color: rgb(144, 87,  
124) }
```

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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