

Converting Colors

XYZ(18.0265, 13.1191, 20.8802)

Have a look what the booklet for
XYZ(18.0265, 13.1191, 20.8802)
contains.

XYZ(18.0719, 13.1473, 20.9872)	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(18.0719, 13.1473,
20.9872)**

Conversions

Conversions Part 1

Format	Color
Hex	90507D
RGB	144, 80, 125
RGB Percent	56%, 31%, 49%
CMY	0.4353, 0.6863, 0.5098
CMYK	0.00, 0.44, 0.13, 0.44
HSL	318°, 29%, 44%
HSV	318°, 44%, 56%
XYZ	18.0719, 13.1473, 20.9872
YIQ	104.2660, 23.6990, 27.5630

Conversions

Conversions Part 2

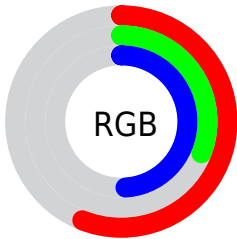
Format	Color
RYB	144, 80, 125
Decimal	9457789
CIELab	42.98, 33.27, -13.83
CIELCh	43, 36.032, 337.424
Yxy	13.1473, 0.3462, 0.2518
Android (android.graphics.Color)	4287647869 (0xFF90507D)
YUV	104.2660, 10.2219, 34.8467
Hunter-Lab	36.2592, 25.5123, -8.9362

Details

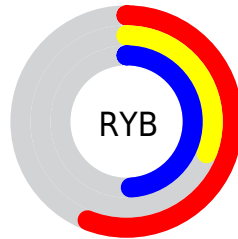
The XYZ color **18.0719, 13.1473, 20.9872** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.5342, 22.5532, 15.3398**, and the grayscale version is **13.1988, 13.8861, 15.1220**.

A 20% lighter version of the original color is **39.7054, 31.5891, 46.1241**, and **6.2347, 3.8301, 7.2482** is the 20% darker color. If you saturate the color by 10%, you get **16.8612, 11.1534, 19.2651**, and if you desaturate by 10%, it is **19.5212, 15.5991, 22.8471**.

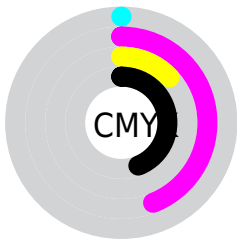
Distribution



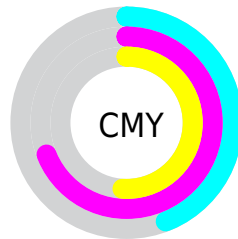
- Red (56%)
- Green (31%)
- Blue (49%)



- Red (56%)
- Yellow (31%)
- Blue (49%)



- Cyan (0%)
- Magenta (44%)
- Yellow (13%)
- Black (44%)



- Cyan (44%)
- Magenta (69%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0719, 13.1473, 20.9872 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 18.0719, 13.1473, 20.9872 by changing the saturation by 10% instead.

18.0719, 13.1473,
20.9872

18.0719, 13.1473,
20.9872

234.3137,
211.8595, 269.9893

11.1016, 7.5301,
12.9235

39.6889, 31.5682,
45.9467

6.2030, 3.7957,
7.2458

55.0664, 45.1406,
63.6797

3.0108, 1.5600,
3.5355

73.9769, 62.1335,
85.4727

1.1595, 0.3304,
1.3742

96.7860, 82.9313,
111.7445

0.0740, 0.0000,
0.1214

123.8588,
107.9184, 142.9135

0.0000, 0.0000,
0.0000

155.5608,

137.4793, 179.3983

192.2573,
171.9982, 221.6173

■ 18.0719, 13.1473,
20.9872

■ 18.0719, 13.1473,
20.9872

■ 16.8612, 11.1534,
19.2651

■ 19.5212, 15.5991,
22.8471

■ 15.8730, 9.5863,
17.6743

■ 21.2212, 18.5336,
24.8492

■ 15.0915, 8.4140,
16.2090

■ 23.1848, 21.9759,
26.9986

■ 14.4978, 7.5993,
14.8620

■ 25.4235, 25.9489,
29.2998

■ 14.0682, 7.0949,
13.6248

■ 27.9482, 30.4742,
31.7570

■ 13.8628, 6.8738,
12.9718

■ 30.7691, 35.5720,
34.3745

■ 33.8960, 41.2616,
37.1560

■ 37.3381, 47.5614,
40.1053

■ 41.1044, 54.4888,
43.2260

Harmonies

Analogous

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



16.0109, 13.1473, 30.1179



18.0719, 13.1473, 20.9872



18.5396, 13.1473, 12.4377

Triad

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



18.0719, 13.1473, 20.9872



11.8221, 13.1473, 3.9071



8.7339, 13.1473, 25.6958

Complementary

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



18.0719, 13.1473, 20.9872



15.5342, 22.5532, 15.3398

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.



7.9334, 13.1473, 16.3726



18.0719, 13.1473, 20.9872



9.5375, 13.1473, 5.3126

Square

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



18.0719, 13.1473, 20.9872



14.6488, 13.1473, 4.3606



8.2043, 13.1473, 9.2323



10.5654, 13.1473, 33.4627

Rectangle

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



18.0719, 13.1473, 20.9872



17.8301, 13.1473, 8.3886



8.2043, 13.1473, 9.2323



8.3486, 13.1473, 22.5290

Sweetspot

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



18.0723, 13.1479, 20.9875



41.3310, 39.5344, 48.0820



12.9547, 10.3558, 27.7018



9.3063, 8.7629, 10.8444



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.



18.0723, 13.1479, 20.9875



29.8080, 19.7835, 34.0827



16.3852, 12.4731, 12.1030



5.5590, 5.4841, 6.4415



12.0825, 5.9900, 11.3519



0.1252, 0.0612, 0.1597

Inverse Universe

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



18.0723, 13.1479, 20.9875



29.8080, 19.7835, 34.0827



17.3202, 23.2676, 24.7447



5.5590, 5.4841, 6.4415



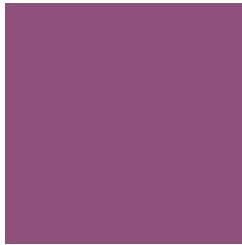
12.0825, 5.9900, 11.3519



0.1252, 0.0612, 0.1597

Previews

White Background



This preview shows how the XYZ color 18.0719, 13.1473, 20.9872 looks on a white background.

Color Contrast Check

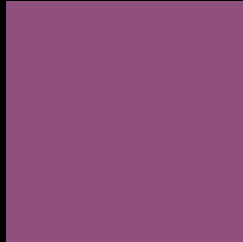
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0719, 13.1473, 20.9872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

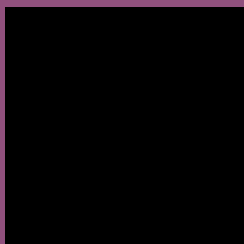
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0719, 13.1473, 20.9872

Background



This preview shows how black text looks on a background with the XYZ color 18.0719, 13.1473, 20.9872.



This preview shows how white text looks on a background with the XYZ color 18.0719, 13.1473,

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

18.0719, 13.1473, 20.9872

Protanopia

13.6038, 13.3745, 26.6755

Deuteranopia

13.5495, 13.3443, 20.2739



Tritanopia

16.1992, 13.1822, 12.0465

Trichromacy



Original Color

18.0719, 13.1473, 20.9872

Protanomaly

14.7179, 12.8930, 24.6345

Deuteranomaly

14.8256, 13.0407, 20.4746

Tritanomaly

16.7046, 13.0233, 14.9979

Monochromacy



Original Color

18.0719, 13.1473, 20.9872

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.6246, 13.2762, 17.1210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0719, 13.1473, 20.9872 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, 80, 125)` looks like.

```
.text, #text, p{  
    color:rgb(144, 80, 125)  
}
```

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, 80, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 80, 125) }
```

Border

The CSS property to change the border of an element to XYZ 18.0719, 13.1473, 20.9872 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, 80, 125) }
```


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

```
.border{ border-color:rgb(144, 80, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 80, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 80, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 80, 125);  
box-shadow:4px 4px 4px 4px rgb(144, 80,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0719, 13.1473, 20.9872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 80, 125) }
```

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

```
.background{ background-color: rgb(144, 80,  
125) }
```

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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