

Converting Colors

XYZ(20.1003, 14.7745, 18.7609)

Have a look what the booklet for
XYZ(20.1003, 14.7745, 18.7609)
contains.

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Color

**XYZ(20.1697, 14.8493,
18.6328)**

Conversions

Conversions Part 1

Format	Color
Hex	9C5575
RGB	156, 85, 117
RGB Percent	61%, 33%, 46%
CMY	0.3882, 0.6666, 0.5412
CMYK	0.00, 0.46, 0.25, 0.39
HSL	333°, 29%, 47%
HSV	333°, 46%, 61%
XYZ	20.1697, 14.8493, 18.6328
YIQ	109.8770, 32.0440, 25.0040

Conversions

Conversions Part 2

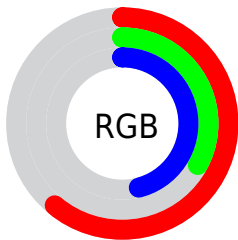
Format	Color
R_{YB}	156, 85, 117
Decimal	10245493
CIE _{Lab}	45.43, 33.46, -5.13
CIE _{LCh}	45, 33.853, 351.286
Yxy	14.8493, 0.3759, 0.2768
Android (android.graphics.Color)	4288435573 (0xFF9C5575)
YUV	109.8770, 3.5116, 40.4499
Hunter-Lab	38.5348, 25.9938, -1.6943

Details

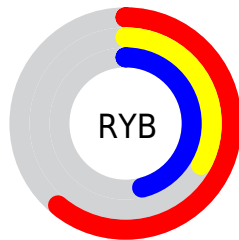
The XYZ color **20.1697, 14.8493, 18.6328** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.2736, 27.1639, 23.2974**, and the grayscale version is **14.7700, 15.5392, 16.9222**.

A 20% lighter version of the original color is **43.1170, 34.4699, 41.9170**, and **7.2986, 4.5750, 6.1286** is the 20% darker color. If you saturate the color by 10%, you get **18.5932, 12.4660, 15.7342**, and if you desaturate by 10%, it is **22.0639, 17.7940, 21.8652**.

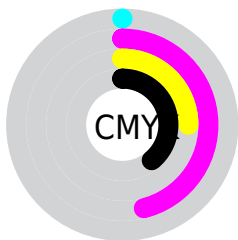
Distribution



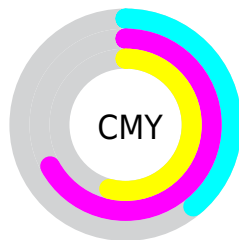
- Red (61%)
- Green (33%)
- Blue (46%)



- Red (61%)
- Yellow (33%)
- Blue (46%)



- Cyan (0%)
- Magenta (46%)
- Yellow (25%)
- Black (39%)



- Cyan (39%)
- Magenta (67%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1697, 14.8493, 18.6328 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 20.1697, 14.8493, 18.6328 by changing the saturation by 10% instead.

■ 20.1697, 14.8493,
18.6328

■ 20.1697, 14.8493,
18.6328

245.6484,
222.4523, 256.7689

■ 12.6274, 8.7137,
11.2311

■ 43.2033, 34.5886,
41.9411

■ 7.2477, 4.5549,
6.1064

■ 59.4253, 48.9611,
58.6848

■ 3.6652, 1.9886,
2.8400

■ 79.2713, 66.8479,
79.3796

■ 1.5145, 0.6008,
1.0136

■ 103.1067, 88.6336,
104.4440

■ 0.3357, 0.0000,
0.0000

■ 131.2967,
114.7025, 134.2966

■ 0.0000, 0.0000,
0.0000

164.2068,

145.4390, 169.3559

202.2022,
181.2274, 210.0405

■ 20.1697, 14.8493,
18.6328

■ 20.1697, 14.8493,
18.6328

■ 18.5932, 12.4660,
15.7342

■ 22.0639, 17.7940,
21.8652

■ 17.3140, 10.6055,
13.1561

■ 24.2922, 21.3311,
25.4423

■ 16.3110, 9.2277,
10.8852

■ 26.8710, 25.4919,
29.3753

■ 15.5596, 8.2854,
8.9068

■ 29.8157, 30.3049,
33.6748

■ 15.0276, 7.7165,
7.2031

■ 33.1402, 35.7967,
38.3508

■ 14.8255, 7.5140,
6.5141

■ 36.8582, 41.9926,
43.4127

■ 40.9822, 48.9165,
48.8699

■ 45.5246, 56.5911,
54.7312

■ 50.4968, 65.0381,
61.0051

Harmonies

Analogous

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



18.7734, 14.8493, 27.9328



20.1697, 14.8493, 18.6328



19.7829, 14.8493, 11.1678

Triad

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



20.1697, 14.8493, 18.6328



12.2383, 14.8493, 5.5974



10.9915, 14.8493, 31.5340

Complementary

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



20.1697, 14.8493, 18.6328



19.2736, 27.1639, 23.2974

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.



9.6466, 14.8493, 22.4752



20.1697, 14.8493, 18.6328



10.2971, 14.8493, 8.2809

Square

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



20.1697, 14.8493, 18.6328



14.9500, 14.8493, 5.1752



9.4105, 14.8493, 13.9314



13.3094, 14.8493, 36.8455

Rectangle

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



20.1697, 14.8493, 18.6328



18.5851, 14.8493, 7.9443



9.4105, 14.8493, 13.9314



10.4242, 14.8493, 28.7076

Sweetspot

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



20.1701, 14.8500, 18.6331



49.4283, 47.3132, 54.2803



17.3993, 13.0993, 33.0640



10.6539, 10.0494, 11.6126



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.1701, 14.8500, 18.6331



33.6217, 22.4211, 28.2911



18.7885, 14.6005, 10.4232



6.7511, 6.6934, 7.5404



12.2287, 6.1960, 5.4553



0.2397, 0.1192, 0.2084

Inverse Universe

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



20.1701, 14.8500, 18.6331



33.6217, 22.4211, 28.2911



21.2427, 27.3223, 35.6067



6.7511, 6.6934, 7.5404



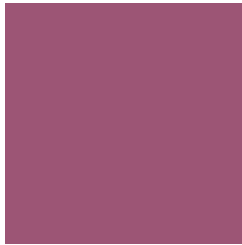
12.2287, 6.1960, 5.4553



0.2397, 0.1192, 0.2084

Previews

White Background



This preview shows how the XYZ color 20.1697, 14.8493, 18.6328 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 20.1697, 14.8493, 18.6328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

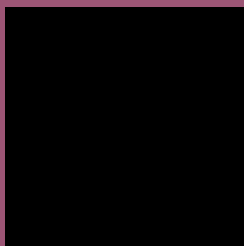
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.1697, 14.8493, 18.6328

Background



This preview shows how black text looks on a background with the XYZ color 20.1697, 14.8493, 18.6328.



This preview shows how white text looks on a background with the XYZ color 20.1697, 14.8493,

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

20.1697, 14.8493, 18.6328

Protanopia

14.9479, 15.0376, 23.5874

Deuteranopia

15.2913, 15.0311, 18.0149



Tritanopia

19.0101, 14.8593, 12.9325

Trichromacy



Original Color

20.1697, 14.8493, 18.6328

Protanomaly

16.2538, 14.5676, 21.6938

Deuteranomaly

16.8223, 14.7985, 18.1894

Tritanomaly

19.5060, 14.9475, 14.9538

Monochromacy



Original Color

20.1697, 14.8493, 18.6328

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.3867, 15.0116, 17.6566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1697, 14.8493, 18.6328 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(156, 85, 117)` looks like.

```
.text, #text, p{  
    color:rgb(156, 85, 117)  
}
```

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(156, 85, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 85, 117) }
```

Border

The CSS property to change the border of an element to XYZ 20.1697, 14.8493, 18.6328 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(156, 85, 117) }
```


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

```
.border{ border-color:rgb(156, 85, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 85, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 85, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 85, 117); box-shadow:4px 4px 4px 4px rgb(156, 85, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1697, 14.8493, 18.6328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 85, 117) }
```

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

```
.background{ background-color: rgb(156, 85,  
117) }
```

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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