

Converting Colors

XYZ(20.3199, 18.2740, 21.6262)

Have a look what the booklet for
XYZ(20.3199, 18.2740, 21.6262)
contains.

XYZ(20.3693, 18.3579, 21.5386)	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(20.3693, 18.3579,
21.5386)**

Conversions

Conversions Part 1

Format	Color
Hex	8E6E7C
RGB	142, 110, 124
RGB Percent	56%, 43%, 49%
CMY	0.4431, 0.5686, 0.5137
CMYK	0.00, 0.23, 0.13, 0.44
HSL	334°, 13%, 49%
HSV	334°, 23%, 56%
XYZ	20.3693, 18.3579, 21.5386
YIQ	121.1640, 14.5780, 11.1380

Conversions

Conversions Part 2

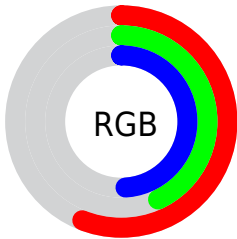
Format	Color
R_{YB}	142, 110, 124
Decimal	9334396
CIE _{Lab}	49.93, 15.04, -2.87
CIE _{LCh}	50, 15.315, 349.217
Yxy	18.3579, 0.3380, 0.3046
Android (android.graphics.Color)	4287524476 (0xFF8E6E7C)
YUV	121.1640, 1.3981, 18.2732
Hunter-Lab	42.8461, 9.8793, 0.1874

Details

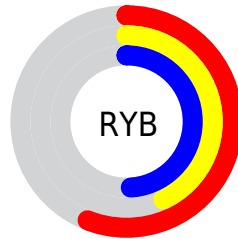
The XYZ color **20.3693, 18.3579, 21.5386** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.0004, 24.2199, 24.0440**, and the grayscale version is **18.2197, 19.1686, 20.8746**.

A 20% lighter version of the original color is **43.5218, 40.7110, 46.6385**, and **7.3070, 6.1774, 7.4638** is the 20% darker color. If you saturate the color by 10%, you get **18.4735, 15.3420, 18.5145**, and if you desaturate by 10%, it is **22.5527, 21.8829, 24.8610**.

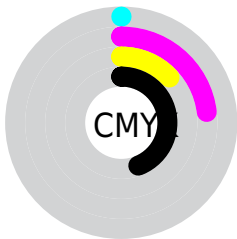
Distribution



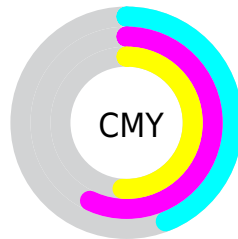
- Red (56%)
- Green (43%)
- Blue (49%)



- Red (56%)
- Yellow (43%)
- Blue (49%)



- Cyan (0%)
- Magenta (23%)
- Yellow (13%)
- Black (44%)



- Cyan (44%)
- Magenta (57%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3693, 18.3579, 21.5386 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 20.3693, 18.3579, 21.5386 by changing the saturation by 10% instead.

■ 20.3693, 18.3579,
21.5386

■ 20.3693, 18.3579,
21.5386

246.7030,
242.8807, 273.0016

■ 12.7736, 11.2072,
13.3232

■ 43.5347, 40.6462,
46.8746

■ 7.3487, 6.2064,
7.5181

■ 59.8351, 56.5527,
64.8322

■ 3.7294, 2.9710,
3.7049

■ 79.7678, 76.1466,
86.8744

■ 1.5502, 1.1166,
1.4649

■ 103.6982, 99.8122,
113.4196

■ 0.3596, 0.0000,
0.1916

131.9915,
127.9341, 144.8864

■ 0.0000, 0.0000,
0.0000

165.0132,

160.8965, 181.6933

203.1286,
199.0839, 224.2589

■ 20.3693, 18.3579,
21.5386

■ 20.3693, 18.3579,
21.5386

■ 18.4735, 15.3420,
18.5145

■ 22.5527, 21.8829,
24.8610

■ 16.8509, 12.8090,
15.7784

■ 25.0338, 25.9366,
28.4889

■ 15.4886, 10.7341,
13.3213

■ 27.8244, 30.5408,
32.4310

■ 14.3716, 9.0892,
11.1331

■ 30.9350, 35.7151,
36.6951

■ 13.4836, 7.8431,
9.2030

■ 34.3756, 41.4783,
41.2886

■ 12.8058, 6.9605,
7.5191

■ 38.1558, 47.8483,
46.2190

■ 12.3165, 6.3995,
6.0683

■ 42.2849, 54.8421,
51.4932

■ 12.0281, 6.0999,
5.1179

■ 46.7717, 62.4762,
57.1179

■ 51.6246, 70.7665,
63.0999

Harmonies

Analogous

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



19.6732, 18.3579, 25.7442



20.3693, 18.3579, 21.5386



20.2505, 18.3579, 17.4454

Triad

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



20.3693, 18.3579, 21.5386



16.5364, 18.3579, 13.2888



15.6700, 18.3579, 26.7518

Complementary

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



20.3693, 18.3579, 21.5386



20.0004, 24.2199, 24.0440

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.



14.9179, 18.3579, 22.7678



20.3693, 18.3579, 21.5386



15.3985, 18.3579, 15.1620

Square

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



20.3693, 18.3579, 21.5386



17.9818, 18.3579, 13.0559



14.8214, 18.3579, 18.5149



16.9261, 18.3579, 29.0224

Rectangle

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



20.3693, 18.3579, 21.5386



19.7269, 18.3579, 15.3030



14.8214, 18.3579, 18.5149



15.3529, 18.3579, 25.5446

Sweetspot

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



20.3698, 18.3587, 21.5390



42.0600, 42.3210, 47.2185



19.3011, 17.6640, 27.9835



9.3473, 9.3758, 10.4778



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.3698, 18.3587, 21.5390



34.1769, 29.5896, 35.2354



19.7206, 18.3777, 17.2608



5.5007, 5.4608, 6.1348



10.8084, 5.4804, 4.6424



0.1141, 0.0567, 0.1010

Inverse Universe

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



20.3698, 18.3587, 21.5390



34.1769, 29.5896, 35.2354



20.7501, 24.1416, 29.1574



5.5007, 5.4608, 6.1348



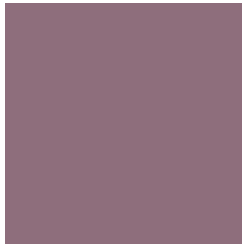
10.8084, 5.4804, 4.6424



0.1141, 0.0567, 0.1010

Previews

White Background



This preview shows how the XYZ color 20.3693, 18.3579, 21.5386 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 20.3693, 18.3579, 21.5386 looks on a black 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

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

XYZ 20.3693, 18.3579, 21.5386

Background



This preview shows how black text looks on a background with the XYZ color 20.3693, 18.3579, 21.5386.



This preview shows how white text looks on a background with the XYZ color 20.3693, 18.3579,

21.5386.

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

20.3693, 18.3579, 21.5386

Protanopia

17.9121, 18.3934, 23.3751

Deuteranopia

18.7591, 18.3587, 21.2938



Tritanopia

19.9987, 18.3635, 19.9432

Trichromacy



Original Color

20.3693, 18.3579, 21.5386

Protanomaly

18.7139, 18.3058, 22.6257

Deuteranomaly

19.3118, 18.3086, 21.2550

Tritanomaly

20.1201, 18.4121, 20.5826

Monochromacy



Original Color

20.3693, 18.3579, 21.5386

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.9274, 18.7948, 21.0425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3693, 18.3579, 21.5386 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(142, 110, 124)` looks like.

```
.text, #text, p{  
    color:rgb(142, 110, 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(142, 110, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 110, 124) }
```

Border

The CSS property to change the border of an element to XYZ 20.3693, 18.3579, 21.5386 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(142, 110, 124) }
```


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

```
.border{ border-color:rgb(142, 110, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 110, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 110, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 110, 124);  
box-shadow:4px 4px 4px 4px rgb(142, 110,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3693, 18.3579, 21.5386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 110, 124) }
```

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

```
.background{ background-color: rgb(142,  
110, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor