

Converting Colors

XYZ(22.3064, 17.8657, 20.3619)

Have a look what the booklet for
XYZ(22.3064, 17.8657, 20.3619)
contains.

XYZ(22.3064, 17.8657, 20.3619)	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(22.3064, 17.8657,
20.3619)**

Conversions

Conversions Part 1

Format	Color
Hex	9F6479
RGB	159, 100, 121
RGB Percent	62%, 39%, 47%
CMY	0.3765, 0.6078, 0.5255
CMYK	0.00, 0.37, 0.24, 0.38
HSL	339°, 24%, 51%
HSV	339°, 37%, 62%
XYZ	22.3064, 17.8657, 20.3619
YIQ	120.0350, 28.4230, 19.0390

Conversions

Conversions Part 2

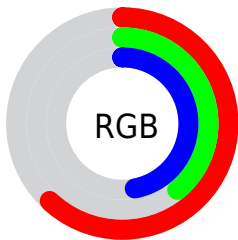
Format	Color
R_{YB}	159, 100, 121
Decimal	10445945
CIE Lab	49.33, 26.81, -1.73
CIE LCh	49, 26.862, 356.311
Yxy	17.8657, 0.3685, 0.2951
Android (android.graphics.Color)	4288636025 (0xFF9F6479)
YUV	120.0350, 0.4757, 34.1723
Hunter-Lab	42.2678, 20.2328, 1.0254

Details

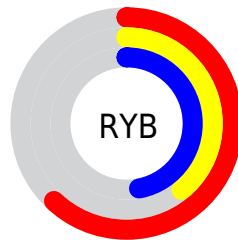
The XYZ color **22.3064, 17.8657, 20.3619** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.2418, 29.3410, 28.5372**, and the grayscale version is **17.8564, 18.7863, 20.4583**.

A 20% lighter version of the original color is **46.7954, 39.9207, 44.7742**, and **8.3744, 6.0012, 7.0203** is the 20% darker color. If you saturate the color by 10%, you get **20.3325, 14.8702, 16.7682**, and if you desaturate by 10%, it is **24.6456, 21.4849, 24.4068**.

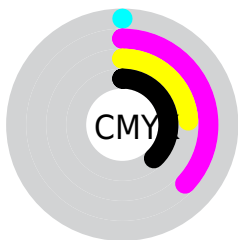
Distribution



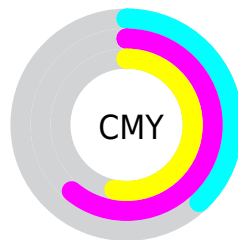
- Red (62%)
- Green (39%)
- Blue (47%)



- Red (62%)
- Yellow (39%)
- Blue (47%)



- Cyan (0%)
- Magenta (37%)
- Yellow (24%)
- Black (38%)





- Cyan (38%)
- Magenta (61%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.3064, 17.8657, 20.3619 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 22.3064, 17.8657, 20.3619 by changing the saturation by 10% instead.


 22.3064, 17.8657,
20.3619


 22.3064, 17.8657,
20.3619


256.7446,
240.1130, 266.5364


 14.2001, 10.8536,
12.4717


 46.7270, 39.8083,
44.8900

 8.3426, 5.9685,
6.9394


 63.7719, 55.5077,
62.3650

 4.3686, 2.8259,
3.3463

 84.5272, 74.8716,
83.8721

 1.9127, 1.0415,
1.2741

 109.3580, 98.2844,
109.8296

 0.5842, 0.0000,
0.0404

138.6298,
126.1306, 140.6563

 0.0000, 0.0000,
0.0000

172.7079,

158.7945, 176.7706

211.9578,
196.6605, 218.5911

■ 22.3064, 17.8657,
20.3619

■ 22.3064, 17.8657,
20.3619

■ 20.3325, 14.8702,
16.7682

■ 24.6456, 21.4849,
24.4068

■ 18.7030, 12.4601,
13.6078

■ 27.3666, 25.7579,
28.9176

■ 17.3970, 10.5971,
10.8633


■ 30.4866, 30.7160,
33.9095


■ 16.3906, 9.2370,
8.5154

■ 34.0214, 36.3878,
39.3968


■ 15.6563, 8.3288,
6.5429


■ 37.9857, 42.8001,
45.3931


 15.1519, 7.7924,
4.9188

 42.3938, 49.9785,
51.9115

 15.0264, 7.6623,
4.5042

 47.2590, 57.9471,
58.9646

 52.5943, 66.7293,
66.5645

 58.4120, 76.3473,
74.7230

Harmonies

Analogous

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



21.3535, 17.8657, 28.2383



22.3064, 17.8657, 20.3619



21.7199, 17.8657, 13.9132

Triad

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



22.3064, 17.8657, 20.3619



14.9167, 17.8657, 9.4543



14.4255, 17.8657, 33.4822

Complementary

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



22.3064, 17.8657, 20.3619



22.2418, 29.3410, 28.5372

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.



12.9867, 17.8657, 26.2964



22.3064, 17.8657, 20.3619



13.2499, 17.8657, 12.7093

Square

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



22.3064, 17.8657, 20.3619



17.2954, 17.8657, 8.6075



12.5785, 17.8657, 18.5710



16.6701, 17.8657, 36.9081

Rectangle

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



22.3064, 17.8657, 20.3619



20.5634, 17.8657, 11.0249



12.5785, 17.8657, 18.5710



13.8405, 17.8657, 31.3512

Sweetspot

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



22.3069, 17.8665, 20.3623



52.2167, 51.2129, 56.9532



21.1926, 16.9679, 34.9592



11.6124, 11.2919, 12.5846



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



22.3069, 17.8665, 20.3623



36.8207, 27.2424, 30.7909



21.9474, 18.9889, 14.5661



6.7257, 6.6832, 7.4067



11.8867, 6.0593, 3.6545



0.2318, 0.1160, 0.1665

Inverse Universe

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



22.3069, 17.8665, 20.3623



36.8207, 27.2424, 30.7909



22.6022, 27.3892, 36.8964



6.7257, 6.6832, 7.4067



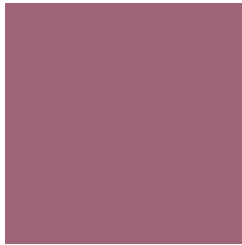
11.8867, 6.0593, 3.6545



0.2318, 0.1160, 0.1665

Previews

White Background



This preview shows how the XYZ color 22.3064, 17.8657, 20.3619 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 22.3064, 17.8657, 20.3619 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 22.3064, 17.8657, 20.3619

Background



This preview shows how black text looks on a background with the XYZ color 22.3064, 17.8657, 20.3619.



This preview shows how white text looks on a background with the XYZ color 22.3064, 17.8657,

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

22.3064, 17.8657, 20.3619

Protanopia

17.6605, 18.0743, 24.0306

Deuteranopia

18.4003, 18.0337, 19.9638



Tritanopia

21.6664, 17.8976, 17.0645

Trichromacy



Original Color

22.3064, 17.8657, 20.3619

Protanomaly

19.0309, 17.8067, 22.5127

Deuteranomaly

19.6740, 17.8688, 20.1814

Tritanomaly

21.7915, 17.7914, 18.2051

Monochromacy



Original Color

22.3064, 17.8657, 20.3619

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.1268, 18.2347, 20.2808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3064, 17.8657, 20.3619 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(159, 100, 121)` looks like.

```
.text, #text, p{  
    color:rgb(159, 100, 121)  
}
```

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(159, 100, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 100, 121) }
```

Border

The CSS property to change the border of an element to XYZ 22.3064, 17.8657, 20.3619 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(159, 100, 121) }
```


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

```
.border{ border-color:rgb(159, 100, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 100, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 100, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 100, 121);  
box-shadow:4px 4px 4px 4px rgb(159, 100,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3064, 17.8657, 20.3619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 100, 121) }
```

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

```
.background{ background-color: rgb(159,  
100, 121) }
```

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