

Converting Colors

XYZ(22.5715, 17.4731, 19.6422)

Have a look what the booklet for
XYZ(22.5715, 17.4731, 19.6422)
contains.

XYZ(22.6169, 17.4842, 19.6355)	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(22.6169, 17.4842,
19.6355)**

Conversions

Conversions Part 1

Format	Color
Hex	A36077
RGB	163, 96, 119
RGB Percent	64%, 38%, 47%
CMY	0.3608, 0.6235, 0.5333
CMYK	0.00, 0.41, 0.27, 0.36
HSL	339°, 27%, 51%
HSV	339°, 41%, 64%
XYZ	22.6169, 17.4842, 19.6355
YIQ	118.6550, 32.5490, 21.3570

Conversions

Conversions Part 2

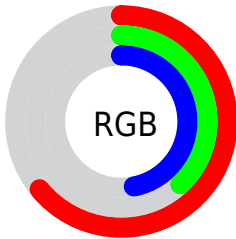
Format	Color
R_{YB}	163, 96, 119
Decimal	10707063
CIE _{Lab}	48.86, 30.25, -1.16
CIE _{LCh}	49, 30.272, 357.805
Yxy	17.4842, 0.3786, 0.2927
Android (android.graphics.Color)	4288897143 (0xFFA36077)
YUV	118.6550, 0.1701, 38.8906
Hunter-Lab	41.8141, 23.3744, 1.4279

Details

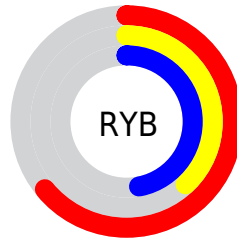
The XYZ color **22.6169, 17.4842, 19.6355** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.6555, 30.5751, 29.5200**, and the grayscale version is **17.4184, 18.3255, 19.9565**.

A 20% lighter version of the original color is **47.1540, 39.1802, 43.6053**, and **8.4605, 5.7392, 6.6231** is the 20% darker color. If you saturate the color by 10%, you get **20.6739, 14.5697, 15.9926**, and if you desaturate by 10%, it is **24.9417, 21.0460, 23.7634**.

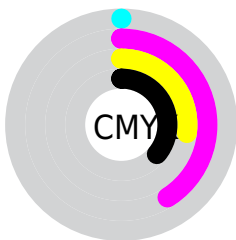
Distribution



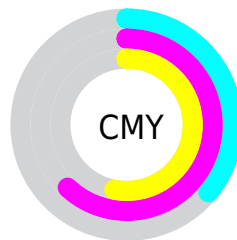
- Red (64%)
- Green (38%)
- Blue (47%)



- Red (64%)
- Yellow (38%)
- Blue (47%)



- Cyan (0%)
- Magenta (41%)
- Yellow (27%)
- Black (36%)





- Cyan (36%)
- Magenta (62%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.6169, 17.4842, 19.6355 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 22.6169, 17.4842, 19.6355 by changing the saturation by 10% instead.

 22.6169, 17.4842,
19.6355


 22.6169, 17.4842,
19.6355

258.3234,
237.9474, 262.4736


 14.4300, 10.5803,
11.9489


 47.2348, 39.1564,
43.6561


 8.5041, 5.7854,
6.5868


 64.3965, 54.6936,
60.8273

 4.4736, 2.7150,
3.1306

 85.2806, 73.8772,
81.9970

 1.9734, 0.9848,
1.1617

 110.2524, 97.0918,
107.5839

 0.6190, 0.0000,
0.0000

139.6772,
124.7218, 138.0064

 0.0000, 0.0000,
0.0000

173.9204,

157.1514, 173.6832

213.3473,
194.7652, 215.0328

■ 22.6169, 17.4842,
19.6355

■ 22.6169, 17.4842,
19.6355

■ 20.6739, 14.5697,
15.9926

■ 24.9417, 21.0460,
23.7634

■ 19.0896, 12.2607,
12.8146

■ 27.6665, 25.2887,
28.3931

■ 17.8406, 10.5142,
10.0814


■ 30.8105, 30.2463,
33.5418


■ 16.9000, 9.2807,
7.7710


■ 34.3906, 35.9501,
39.2255

■ 16.2362, 8.5016,
5.8587


■ 38.4233, 42.4294,
45.4597

 15.8169, 8.0716,
4.4592

 42.9240, 49.7117,
52.2589

 47.9072, 57.8236,
59.6374

 53.3870, 66.7901,
67.6088

 59.3769, 76.6352,
76.1861

Harmonies

Analogous

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



21.6176, 17.4842, 28.5191



22.6169, 17.4842, 19.6355



21.8648, 17.4842, 12.6982

Triad

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



22.6169, 17.4842, 19.6355



14.2252, 17.4842, 8.3757



13.9049, 17.4842, 35.3453

Complementary

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



22.6169, 17.4842, 19.6355



22.6555, 30.5751, 29.5200

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.



12.2862, 17.4842, 27.1976



22.6169, 17.4842, 19.6355



12.4560, 17.4842, 11.9314

Square

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



22.6169, 17.4842, 19.6355



16.8258, 17.4842, 7.3910



11.7867, 17.4842, 18.4514



16.4123, 17.4842, 39.0407

Rectangle

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



22.6169, 17.4842, 19.6355



20.5138, 17.4842, 9.7273



11.7867, 17.4842, 18.4514



13.2499, 17.4842, 32.9412

Sweetspot

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



22.6174, 17.4850, 19.6358



54.5095, 53.1079, 58.9898



21.5340, 16.5475, 36.7094



12.0812, 11.6725, 12.9874



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



22.6174, 17.4850, 19.6358



37.4059, 26.6574, 29.3752



22.3754, 18.9503, 13.5459



7.1694, 7.1242, 7.8787



12.3122, 6.2809, 3.5687



0.2802, 0.1406, 0.1883

Inverse Universe

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



22.6174, 17.4850, 19.6358



37.4059, 26.6574, 29.3752



22.8184, 27.8978, 38.8326



7.1694, 7.1242, 7.8787



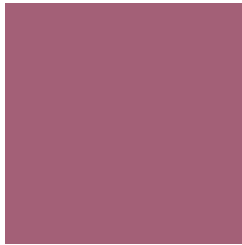
12.3122, 6.2809, 3.5687



0.2802, 0.1406, 0.1883

Previews

White Background



This preview shows how the XYZ color 22.6169, 17.4842, 19.6355 looks on a white background.

Color Contrast Check

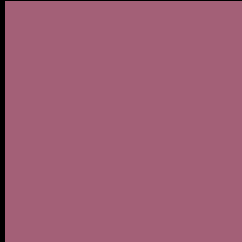
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6169, 17.4842, 19.6355 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 22.6169, 17.4842, 19.6355

Background



This preview shows how black text looks on a background with the XYZ color 22.6169, 17.4842, 19.6355.



This preview shows how white text looks on a background with the XYZ color 22.6169, 17.4842,

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

22.6169, 17.4842, 19.6355

Protanopia

17.2816, 17.7069, 23.9797

Deuteranopia

17.9596, 17.6604, 18.9852



Tritanopia

21.8695, 17.4574, 15.8526

Trichromacy



Original Color

22.6169, 17.4842, 19.6355

Protanomaly

18.8151, 17.3751, 22.4407

Deuteranomaly

19.4531, 17.4625, 19.1749

Tritanomaly

22.0442, 17.3785, 17.2314

Monochromacy



Original Color

22.6169, 17.4842, 19.6355

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

19.0059, 17.8517, 19.8968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6169, 17.4842, 19.6355 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(163, 96, 119)` looks like.

```
.text, #text, p{  
    color:rgb(163, 96, 119)  
}
```

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(163, 96, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 96, 119) }
```

Border

The CSS property to change the border of an element to XYZ 22.6169, 17.4842, 19.6355 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(163, 96, 119) }
```


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

```
.border{ border-color:rgb(163, 96, 119) }
```

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

Here you see how a box with a 4 pixel rgb(163, 96, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 96, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 96, 119);  
box-shadow:4px 4px 4px 4px rgb(163, 96,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6169, 17.4842, 19.6355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 96, 119) }
```

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

```
.background{ background-color: rgb(163, 96,  
119) }
```

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