

Converting Colors

XYZ(22.6462, 17.0663, 36.8826)

Have a look what the booklet for
XYZ(22.6462, 17.0663, 36.8826)
contains.

XYZ(22.6478, 17.1211, 36.7614)	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(22.6478, 17.1211,
36.7614)**

Conversions

Conversions Part 1

Format	Color
Hex	9260A3
RGB	146, 96, 163
RGB Percent	57%, 38%, 64%
CMY	0.4274, 0.6235, 0.3608
CMYK	0.10, 0.41, 0.00, 0.36
HSL	285°, 27%, 51%
HSV	285°, 41%, 64%
XYZ	22.6478, 17.1211, 36.7614
YIQ	118.5880, 8.2930, 31.4370

Conversions

Conversions Part 2

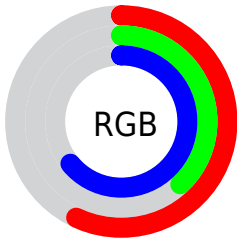
Format	Color
R _Y B	146, 96, 163
Decimal	9592995
CIE Lab	48.41, 32.34, -28.21
CIE LCh	48, 42.914, 318.903
Yxy	17.1211, 0.2959, 0.2237
Android (android.graphics.Color)	4287783075 (0xFF9260A3)
YUV	118.5880, 21.8951, 24.0403
Hunter-Lab	41.3777, 25.2900, -23.7110

Details

The XYZ color **22.6478, 17.1211, 36.7614** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.0192, 30.5501, 15.8033**, and the grayscale version is **17.3365, 18.2393, 19.8626**.

A 20% lighter version of the original color is **47.3322, 38.6593, 71.2970**, and **8.5423, 5.6413, 15.6776** is the 20% darker color. If you saturate the color by 10%, you get **20.5902, 14.0772, 36.2826**, and if you desaturate by 10%, it is **25.0416, 20.7968, 37.3450**.

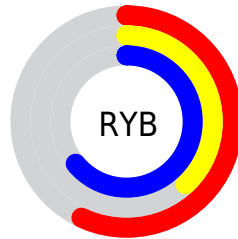
Distribution



Red (57%)

Green (38%)

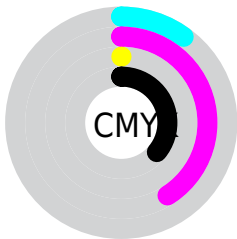
Blue (64%)



Red (57%)

Yellow (38%)

Blue (64%)

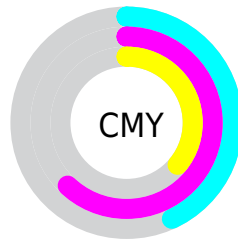


Cyan (10%)

Magenta (41%)

Yellow (0%)

Black (36%)



Cyan (43%)

Magenta (62%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6478, 17.1211, 36.7614 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 22.6478, 17.1211, 36.7614 by changing the saturation by 10% instead.

■ 22.6478, 17.1211,
36.7614

■ 22.6478, 17.1211,
36.7614

258.4801,
235.8693, 347.4139

■ 14.4529, 10.3209,
24.7285

■ 47.2853, 38.5339,
71.3879

■ 8.5202, 5.6122,
15.6577

■ 64.4586, 53.9152,
94.8185

■ 4.4841, 2.6108,
9.1305

■ 85.3555, 72.9257,
122.8855

■ 1.9795, 0.9321,
4.7284

■ 110.3412, 95.9497,
156.0073

■ 0.6224, 0.0000,
2.0329

139.7812,
123.3717, 194.6025

■ 0.0000, 0.0000,
0.5754

174.0407,

■ 0.0000, 0.0000,

155.5760, 239.0896

0.0000

213.4853,
192.9471, 289.8873

■ 22.6478, 17.1211,
36.7614

■ 22.6478, 17.1211,
36.7614

■ 20.5902, 14.0772,
36.2826

■ 25.0416, 20.7968,
37.3450

■ 18.8474, 11.6244,
35.9010

■ 27.7875, 25.1374,
38.0381

■ 17.3985, 9.7207,
35.6099

■ 30.9027, 30.1763,
38.8465

■ 16.2188, 8.3172,
35.4012

■ 34.4026, 35.9439,
39.7753

■ 15.2794, 7.3564,
35.2652

■ 38.3016, 42.4687,
40.8292

■ 14.5864, 6.7559,
35.1859

■ 42.6136, 49.7779,
42.0128

■ 47.3516, 57.8972,
43.3302

■ 52.5280, 66.8511,
44.7857

■ 58.1547, 76.6632,
46.3830

Harmonies

Analogous

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



18.8422, 17.1211, 47.4726



22.6478, 17.1211, 36.7614



24.8579, 17.1211, 23.1184

Triad

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



22.6478, 17.1211, 36.7614



17.7691, 17.1211, 4.4602



10.1272, 17.1211, 26.5563

Complementary

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



22.6478, 17.1211, 36.7614



22.0192, 30.5501, 15.8033

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.



9.9346, 17.1211, 14.7842



22.6478, 17.1211, 36.7614



13.9488, 17.1211, 4.7602

Square

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



22.6478, 17.1211, 36.7614



21.7543, 17.1211, 6.6382



11.2232, 17.1211, 7.7392



11.7998, 17.1211, 40.1309

Rectangle

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



22.6478, 17.1211, 36.7614



24.9245, 17.1211, 15.4934



11.2232, 17.1211, 7.7392



9.8986, 17.1211, 22.1906

Sweetspot

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



22.6484, 17.1218, 36.7618



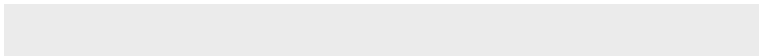
54.6852, 52.9683, 69.3978



17.4377, 17.1365, 37.0392



12.1229, 11.6374, 15.5448



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.



22.6484, 17.1218, 36.7618



37.2847, 25.8047, 65.0718



24.5829, 18.2711, 29.9864



7.1880, 7.1113, 8.8968



11.3796, 5.2729, 27.3478



0.2787, 0.1312, 0.5765

Inverse Universe

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



22.2683, 17.3453, 17.7978



36.7279, 26.3862, 25.8051



20.8259, 29.8433, 19.8859



7.1441, 7.1141, 7.7452



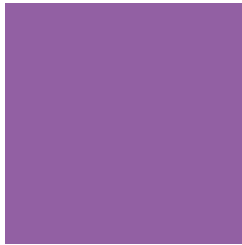
12.0709, 6.1844, 2.2979



0.2715, 0.1371, 0.1422

Previews

White Background



This preview shows how the XYZ color 22.6478, 17.1211, 36.7614 looks on a white background.

Color Contrast Check

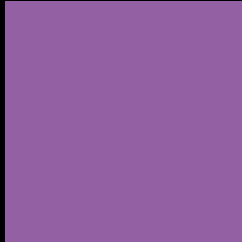
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6478, 17.1211, 36.7614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

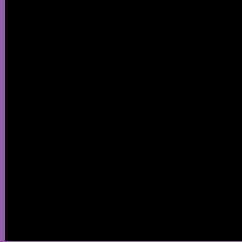
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.6478, 17.1211, 36.7614

Background



This preview shows how black text looks on a background with the XYZ color 22.6478, 17.1211, 36.7614.



This preview shows how white text looks on a background with the XYZ color 22.6478, 17.1211,

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

22.6478, 17.1211, 36.7614

Protanopia

18.2546, 17.2599, 43.9643

Deuteranopia

17.7293, 17.3394, 35.6701



Tritanopia

18.8960, 17.0348, 18.5118

Trichromacy



Original Color

22.6478, 17.1211, 36.7614

Protanomaly

19.3862, 16.9387, 41.2775

Deuteranomaly

19.0268, 16.8705, 35.9717

Tritanomaly

20.0716, 16.9195, 24.0377

Monochromacy



Original Color

22.6478, 17.1211, 36.7614

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

19.1109, 17.7853, 25.3473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6478, 17.1211, 36.7614 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(146, 96, 163)` looks like.

```
.text, #text, p{  
    color:rgb(146, 96, 163)  
}
```

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(146, 96, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 96, 163) }
```

Border

The CSS property to change the border of an element to XYZ 22.6478, 17.1211, 36.7614 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(146, 96, 163) }
```


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

```
.border{ border-color:rgb(146, 96, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 96, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 96, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 96, 163); box-shadow:4px 4px 4px 4px rgb(146, 96, 163) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6478, 17.1211, 36.7614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 96, 163) }
```

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

```
.background{ background-color: rgb(146, 96,  
163) }
```

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