

Converting Colors

XYZ(19.8034, 17.9895, 27.1673)

Have a look what the booklet for
XYZ(19.8034, 17.9895, 27.1673)
contains.

XYZ(19.8253, 17.9508, 27.2309)	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(19.8253, 17.9508,
27.2309)**

Conversions

Conversions Part 1

Format	Color
Hex	846E8C
RGB	132, 110, 140
RGB Percent	52%, 43%, 55%
CMY	0.4823, 0.5686, 0.4510
CMYK	0.06, 0.21, 0.00, 0.45
HSL	284°, 12%, 49%
HSV	284°, 21%, 55%
XYZ	19.8253, 17.9508, 27.2309
YIQ	119.9980, 3.4820, 13.9940

Conversions

Conversions Part 2

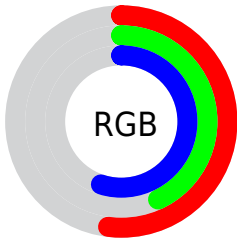
Format	Color
R_{YB}	132, 110, 140
Decimal	8679052
CIE _{Lab}	49.44, 14.47, -13.19
CIE _{LCh}	49, 19.580, 317.664
Yxy	17.9508, 0.3050, 0.2761
Android (android.graphics.Color)	4286869132 (0xFF846E8C)
YUV	119.9980, 9.8610, 10.5258
Hunter-Lab	42.3684, 9.3803, -8.4488

Details

The XYZ color **19.8253, 17.9508, 27.2309** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **19.6643, 23.7339, 18.2973**, and the grayscale version is **17.8211, 18.7492, 20.4179**.

A 20% lighter version of the original color is **42.6655, 40.0500, 56.5206**, and **7.0478, 5.9773, 10.4551** is the 20% darker color. If you saturate the color by 10%, you get **17.8593, 14.8697, 26.7401**, and if you desaturate by 10%, it is **22.0520, 21.5215, 27.8030**.

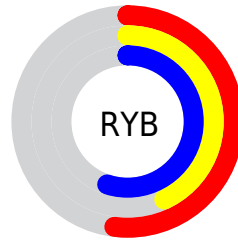
Distribution



Red (52%)

Green (43%)

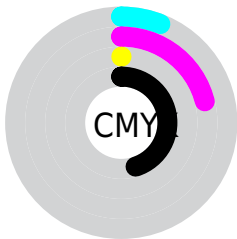
Blue (55%)



Red (52%)

Yellow (43%)

Blue (55%)

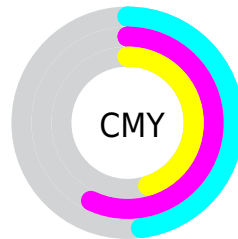


Cyan (6%)

Magenta (21%)

Yellow (0%)

Black (45%)



Cyan (48%)

Magenta (57%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8253, 17.9508, 27.2309 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 19.8253, 17.9508, 27.2309 by changing the saturation by 10% instead.

■ 19.8253, 17.9508,
27.2309

■ 19.8253, 17.9508,
27.2309

243.8194,
240.5936, 302.5688

■ 12.3756, 10.9147,
17.5127

■ 42.6303, 39.9535,
56.2624

■ 7.0741, 6.0095,
10.4349

■ 58.7163, 55.6888,
76.4128

■ 3.5552, 2.8508,
5.5789

■ 78.4118, 75.0927,
100.8777

■ 1.4537, 1.0544,
2.5262

■ 102.0822, 98.5494,
130.0757

■ 0.2940, 0.0000,
0.8540

130.0928,
126.4435, 164.4253

■ 0.0000, 0.0000,
0.0000

162.8090,

159.1593, 204.3449

200.5961,
197.0812, 250.2533

■ 19.8253, 17.9508,
27.2309

■ 19.8253, 17.9508,
27.2309

■ 17.8593, 14.8697,
26.7401

■ 22.0520, 21.5215,
27.8030

■ 16.1409, 12.2535,
26.3257

■ 24.5483, 25.6006,
28.4588

■ 14.6584, 10.0787,
25.9840

■ 27.3250, 30.2085,
29.2019

■ 13.3983, 8.3187,
25.7107

■ 30.3913, 35.3640,
30.0354

■ 12.3458, 6.9442,
25.5009

■ 33.7565, 41.0848,
30.9622

■ 11.4841, 5.9219,
25.3490

■ 37.4290, 47.3879,
31.9853

■ 10.7935, 5.2126,
25.2485

■ 41.4173, 54.2895,
33.1072

■ 10.2892, 4.7575,
25.1872

■ 45.7292, 61.8053,
34.3307

■ 50.3724, 69.9502,
35.6581

Harmonies

Analogous

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



18.1627, 17.9508, 30.9334



19.8253, 17.9508, 27.2309



20.7735, 17.9508, 21.8010

Triad

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



19.8253, 17.9508, 27.2309



17.8321, 17.9508, 11.1945



13.8951, 17.9508, 22.7985

Complementary

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



19.8253, 17.9508, 27.2309



19.6643, 23.7339, 18.2973

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.



13.8206, 17.9508, 17.4509



19.8253, 17.9508, 27.2309



16.0061, 17.9508, 11.3642

Square

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



19.8253, 17.9508, 27.2309



19.5683, 17.9508, 12.9469



14.5676, 17.9508, 13.4619



14.7788, 17.9508, 28.0738

Rectangle

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



19.8253, 17.9508, 27.2309



20.8309, 17.9508, 18.2195



14.5676, 17.9508, 13.4619



13.7770, 17.9508, 20.9341

Sweetspot

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



19.8259, 17.9516, 27.2313



41.1507, 41.6410, 49.6116



17.6431, 18.1660, 27.3877



9.4259, 9.5033, 11.4169



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.



19.8259, 17.9516, 27.2313



33.1221, 28.7616, 47.5488



20.6253, 18.4214, 24.6594



5.1060, 5.0630, 6.3140



9.1615, 4.2371, 22.3807



0.0748, 0.0353, 0.1493

Inverse Universe

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



19.6617, 18.0360, 19.5852



32.8193, 28.9655, 31.2717



19.0200, 23.3560, 20.3360



5.0841, 5.0691, 5.5313



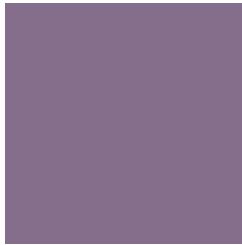
9.9186, 5.0775, 2.0755



0.0713, 0.0359, 0.0422

Previews

White Background



This preview shows how the XYZ color 19.8253, 17.9508, 27.2309 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 19.8253, 17.9508, 27.2309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

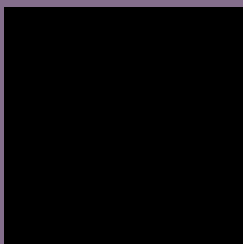
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.8253, 17.9508, 27.2309

Background



This preview shows how black text looks on a background with the XYZ color 19.8253, 17.9508, 27.2309.



This preview shows how white text looks on a background with the XYZ color 19.8253, 17.9508,

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

19.8253, 17.9508, 27.2309

Protanopia

17.9509, 18.1157, 28.9361

Deuteranopia

18.3987, 18.0475, 26.9399



Tritanopia

18.4712, 17.8825, 20.8905

Trichromacy



Original Color

19.8253, 17.9508, 27.2309

Protanomaly

18.5830, 17.9397, 28.4699

Deuteranomaly

18.8775, 17.9594, 26.8977

Tritanomaly

18.9625, 17.9191, 23.2282

Monochromacy



Original Color

19.8253, 17.9508, 27.2309

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.3883, 18.3082, 22.6433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8253, 17.9508, 27.2309 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(132, 110, 140)` looks like.

```
.text, #text, p{  
    color:rgb(132, 110, 140)  
}
```

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(132, 110, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 110, 140) }
```

Border

The CSS property to change the border of an element to XYZ 19.8253, 17.9508, 27.2309 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(132, 110, 140) }
```


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

```
.border{ border-color:rgb(132, 110, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 110, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 110, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 110, 140);  
box-shadow:4px 4px 4px 4px rgb(132, 110,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8253, 17.9508, 27.2309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 110, 140) }
```

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

```
.background{ background-color: rgb(132,  
110, 140) }
```

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