

Converting Colors

XYZ(19.8123, 27.4101, 18.9635)

Have a look what the booklet for
XYZ(19.8123, 27.4101, 18.9635)
contains.

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Color

**XYZ(19.7913, 27.2778,
18.9739)**

Conversions

Conversions Part 1

Format	Color
Hex	649B6E
RGB	100, 155, 110
RGB Percent	39%, 61%, 43%
CMY	0.6078, 0.3921, 0.5686
CMYK	0.35, 0.00, 0.29, 0.39
HSL	131°, 22%, 50%
HSV	131°, 35%, 61%
XYZ	19.7913, 27.2778, 18.9739
YIQ	133.4250, -18.3350, -25.6550

Conversions

Conversions Part 2

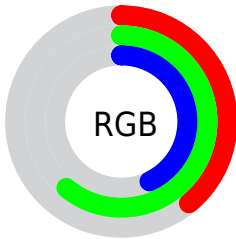
Format	Color
RYB	100, 147, 155
Decimal	6593390
CIELab	59.23, -27.91, 18.00
CIELCh	59, 33.212, 147.188
Yxy	27.2778, 0.2997, 0.4130
Android (android.graphics.Color)	4284783470 (0xFF649B6E)
YUV	133.4250, -11.5485, -29.3137
Hunter-Lab	52.2282, -23.7586, 15.0203

Details

The XYZ color **19.7913, 27.2778, 18.9739** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.1864, 18.1277, 29.0658**, and the grayscale version is **22.4955, 23.6670, 25.7734**.

A 20% lighter version of the original color is **42.7050, 55.4741, 42.6392**, and **7.0351, 10.7264, 6.2570** is the 20% darker color. If you saturate the color by 10%, you get **17.5956, 26.2208, 15.5213**, and if you desaturate by 10%, it is **22.4135, 28.5448, 22.9635**.

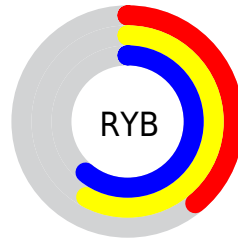
Distribution



Red (39%)

Green (61%)

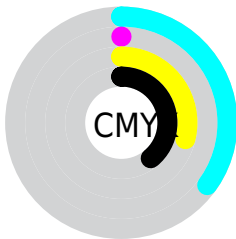
Blue (43%)



Red (39%)

Yellow (58%)

Blue (61%)

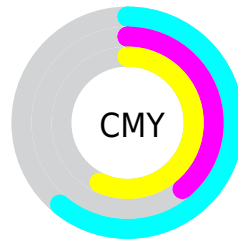


Cyan (35%)

Magenta (0%)

Yellow (29%)

Black (39%)



Cyan (61%)

Magenta (39%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7913, 27.2778, 18.9739 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 19.7913, 27.2778, 18.9739 by changing the saturation by 10% instead.

■ 19.7913, 27.2778,
18.9739

■ 19.7913, 27.2778,
18.9739

243.6382,
288.9997, 258.7226

■ 12.3508, 17.7820,
11.4748

■ 42.5736, 55.3293,
42.5261

■ 7.0570, 10.7936,
6.2690

■ 58.6462, 74.6538,
59.4163

■ 3.5444, 5.9282,
2.9379

■ 78.3268, 98.0233,
80.2739

■ 1.4478, 2.8015,
1.0630

■ 101.9808,
125.8222, 105.5175

■ 0.2899, 1.0290,
0.0000

129.9736,
158.4349, 135.5656

■ 0.0000, 0.0000,
0.0000

162.6705,

196.2458, 170.8368

200.4369,
239.6392, 211.7496

■ 19.7913, 27.2778,
18.9739

■ 19.7913, 27.2778,
18.9739

■ 17.5956, 26.2208,
15.5213

■ 22.4135, 28.5448,
22.9635

■ 15.8014, 25.3591,
12.5810

■ 25.4811, 30.0287,
27.5099

■ 14.3847, 24.6816,
10.1292


■ 29.0143, 31.7404,
32.6339


■ 13.3177, 24.1744,
8.1392


■ 33.0317, 33.6890,
38.3548


■ 12.5688, 23.8220,
6.5821


■ 37.5506, 35.8830,
44.6910


 12.0969, 23.6039,
5.4250

 42.5876, 38.3307,
51.6601

 11.9337, 23.5285,
5.0227

 48.1585, 41.0397,
59.2791

 54.2785, 44.0176,
67.5641

 60.9620, 47.2716,
76.5309

Harmonies

Analogous

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



22.4546, 27.2778, 13.6781



19.7913, 27.2778, 18.9739



18.7563, 27.2778, 28.5955

Triad

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



19.7913, 27.2778, 18.9739



25.5378, 27.2778, 58.8125



33.6780, 27.2778, 20.4487

Complementary

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



19.7913, 27.2778, 18.9739



23.1864, 18.1277, 29.0658

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.



34.7250, 27.2778, 30.8344



19.7913, 27.2778, 18.9739



29.7395, 27.2778, 54.9679

Square

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



19.7913, 27.2778, 18.9739



21.8451, 27.2778, 53.2978



33.2148, 27.2778, 43.8586



30.4876, 27.2778, 14.3566

Rectangle

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



19.7913, 27.2778, 18.9739



19.0366, 27.2778, 36.9656



33.2148, 27.2778, 43.8586



34.3061, 27.2778, 23.4563

Sweetspot

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



19.7920, 27.2789, 18.9745



48.2299, 55.0340, 53.0551



25.8471, 30.4599, 16.5737



10.7411, 12.3717, 11.7536



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.7920, 27.2789, 18.9745



32.1073, 47.2437, 28.7495



21.4691, 27.9498, 27.8059



6.1758, 6.9430, 6.8490



9.5956, 18.9017, 4.0910



0.1535, 0.2866, 0.1138

Inverse Universe

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



23.1864, 18.1277, 29.0658



39.1505, 28.2343, 49.6732



21.3653, 17.3993, 19.4763



6.4130, 6.3044, 7.5550



13.9374, 6.8292, 16.7274



0.2195, 0.1065, 0.3086

Previews

White Background



This preview shows how the XYZ color 19.7913, 27.2778, 18.9739 looks on a white 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

Black Background



This preview shows how the XYZ color 19.7913, 27.2778, 18.9739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

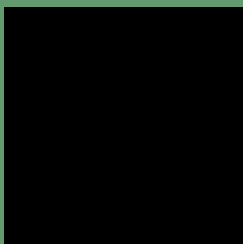
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7913, 27.2778, 18.9739

Background



This preview shows how black text looks on a background with the XYZ color 19.7913, 27.2778, 18.9739.



This preview shows how white text looks on a background with the XYZ color 19.7913, 27.2778,

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

19.7913, 27.2778, 18.9739

Protanopia

25.1206, 27.0209, 16.9883

Deuteranopia

27.3585, 26.8226, 19.6549



Tritanopia

23.5230, 27.3480, 37.2966

Trichromacy



Original Color

19.7913, 27.2778, 18.9739

Protanomaly

22.7081, 26.8946, 17.6300

Deuteranomaly

23.7876, 26.4999, 19.4840

Tritanomaly

21.8930, 27.1504, 29.6779

Monochromacy



Original Color

19.7913, 27.2778, 18.9739

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.1117, 24.5954, 23.0367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7913, 27.2778, 18.9739 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(100, 155, 110)` looks like.

```
.text, #text, p{  
    color:rgb(100, 155, 110)  
}
```

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(100, 155, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 155, 110) }
```

Border

The CSS property to change the border of an element to XYZ 19.7913, 27.2778, 18.9739 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(100, 155, 110) }
```


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

```
.border{ border-color:rgb(100, 155, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 155, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 155, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 155, 110);  
box-shadow:4px 4px 4px 4px rgb(100, 155,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7913, 27.2778, 18.9739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 155, 110) }
```

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

```
.background{ background-color: rgb(100,  
155, 110) }
```

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](#).

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