

Converting Colors

XYZ(19.6415, 27.8845, 22.1163)

Have a look what the booklet for
XYZ(19.6415, 27.8845, 22.1163)
contains.

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Color

**XYZ(19.6415, 27.8845,
22.1163)**

Conversions

Conversions Part 1

Format	Color
Hex	589E78
RGB	88, 158, 120
RGB Percent	35%, 62%, 47%
CMY	0.6549, 0.3804, 0.5294
CMYK	0.44, 0.00, 0.24, 0.38
HSL	147°, 28%, 48%
HSV	147°, 44%, 62%
XYZ	19.6415, 27.8845, 22.1163
YIQ	132.7380, -29.5220, -26.6580

Conversions

Conversions Part 2

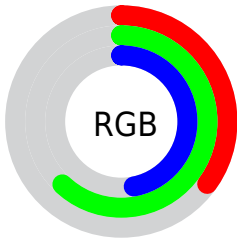
Format	Color
RYB	88, 136, 158
Decimal	5807736
CIELab	59.78, -31.05, 13.10
CIELCh	60, 33.698, 157.129
Yxy	27.8845, 0.2820, 0.4004
Android (android.graphics.Color)	4283997816 (0xFF589E78)
YUV	132.7380, -6.2798, -39.2352
Hunter-Lab	52.8058, -26.0157, 12.1320

Details

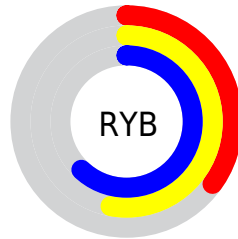
The XYZ color **19.6415, 27.8845, 22.1163** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.3571, 15.7555, 21.6551**, and the grayscale version is **22.2294, 23.3871, 25.4685**.

A 20% lighter version of the original color is **42.2251, 56.2298, 47.6577**, and **6.9511, 11.1031, 7.7380** is the 20% darker color. If you saturate the color by 10%, you get **17.8075, 26.9973, 19.4340**, and if you desaturate by 10%, it is **21.8478, 28.9598, 25.0607**.

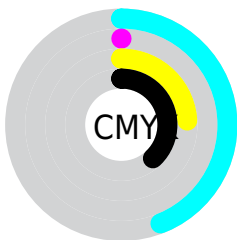
Distribution



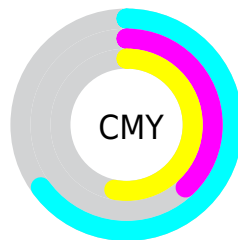
- Red (35%)
- Green (62%)
- Blue (47%)



- Red (35%)
- Yellow (53%)
- Blue (62%)



- Cyan (44%)
- Magenta (0%)
- Yellow (24%)
- Black (38%)



- Cyan (65%)
- Magenta (38%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6415, 27.8845, 22.1163 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 19.6415, 27.8845, 22.1163 by changing the saturation by 10% instead.

■ 19.6415, 27.8845,
22.1163

■ 19.6415, 27.8845,
22.1163

242.8384,
291.9146, 276.1263

■ 12.2415, 18.2386,
13.7432

■ 42.3239, 56.3000,
47.8428

■ 6.9817, 11.1214,
7.8056

■ 58.3369, 75.8384,
66.0333

■ 3.4969, 6.1486,
3.8848

■ 77.9516, 99.4431,
88.3334

■ 1.4217, 2.9356,
1.5624

■ 101.5334,
127.4984, 115.1616

■ 0.2716, 1.0982,
0.2638

129.4477,
160.3889, 146.9365

■ 0.0000, 0.0000,
0.0000

162.0597,

198.4988, 184.0765

199.7348,
242.2126, 227.0003

■ 19.6415, 27.8845,
22.1163

■ 19.6415, 27.8845,
22.1163

■ 17.8075, 26.9973,
19.4340

■ 21.8478, 28.9598,
25.0607

■ 16.3212, 26.2833,
17.0045

■ 24.4446, 30.2301,
28.2723

■ 15.1584, 25.7310,
14.8207


■ 27.4515, 31.7061,
31.7587


■ 14.2907, 25.3258,
12.8742


■ 30.8862, 33.3970,
35.5263


■ 13.6836, 25.0503,
11.1563


■ 34.7652, 35.3109,
39.5814

 13.4046, 24.9256,
10.2747

 39.1042, 37.4560,
43.9302

 43.9181, 39.8398,
48.5784

 49.2211, 42.4694,
53.5320

 55.0268, 45.3519,
58.7963

Harmonies

Analogous

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



21.8542, 27.8845, 15.2199



19.6415, 27.8845, 22.1163



19.1692, 27.8845, 33.3712

Triad

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



19.6415, 27.8845, 22.1163



27.5345, 27.8845, 60.1444



33.5955, 27.8845, 18.2749

Complementary

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



19.6415, 27.8845, 22.1163



21.3571, 15.7555, 21.6551

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.



35.5038, 27.8845, 27.5384



19.6415, 27.8845, 22.1163



31.7691, 27.8845, 53.2049

Square

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



19.6415, 27.8845, 22.1163



23.4417, 27.8845, 57.5560



34.8019, 27.8845, 40.4369



29.8207, 27.8845, 13.4533

Rectangle

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



19.6415, 27.8845, 22.1163



19.8532, 27.8845, 42.3824



34.8019, 27.8845, 40.4369



34.4940, 27.8845, 20.8600

Sweetspot

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



19.6422, 27.8856, 22.1169



50.4677, 57.8796, 58.3656



22.6673, 29.6333, 13.7579



11.1005, 12.9125, 12.8459



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.



19.6422, 27.8856, 22.1169



32.4181, 49.0640, 35.4155



22.1267, 28.8794, 35.2000



6.6705, 7.4490, 7.6996



10.7547, 19.9698, 8.3312



0.2134, 0.3655, 0.2601

Inverse Universe

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



21.3571, 15.7555, 21.6551



35.9323, 24.1821, 34.4518



19.5010, 15.0131, 11.8813



6.7761, 6.7033, 7.6719



12.6511, 6.3650, 7.6799



0.2474, 0.1223, 0.2491

Previews

White Background



This preview shows how the XYZ color 19.6415, 27.8845, 22.1163 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 19.6415, 27.8845, 22.1163 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 19.6415, 27.8845, 22.1163

Background



This preview shows how black text looks on a background with the XYZ color 19.6415, 27.8845, 22.1163.



This preview shows how white text looks on a background with the XYZ color 19.6415, 27.8845,

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

19.6415, 27.8845, 22.1163

Protanopia

25.7520, 27.5126, 19.5760

Deuteranopia

28.0364, 27.5247, 22.9039



Tritanopia

23.0747, 27.7895, 39.2697

Trichromacy



Original Color

19.6415, 27.8845, 22.1163

Protanomaly

22.7956, 27.1079, 20.5539

Deuteranomaly

23.8539, 26.9151, 22.6768

Tritanomaly

21.6202, 27.6822, 32.2207

Monochromacy



Original Color

19.6415, 27.8845, 22.1163

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

20.9054, 24.6864, 24.0852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6415, 27.8845, 22.1163 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(88, 158, 120)` looks like.

```
.text, #text, p{  
    color:rgb(88, 158, 120)  
}
```

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(88, 158, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 158, 120) }
```

Border

The CSS property to change the border of an element to XYZ 19.6415, 27.8845, 22.1163 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(88, 158, 120) }
```


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

```
.border{ border-color:rgb(88, 158, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 158, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 158, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 158, 120);  
box-shadow:4px 4px 4px 4px rgb(88, 158,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6415, 27.8845, 22.1163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 158, 120) }
```

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

```
.background{ background-color: rgb(88, 158,  
120) }
```

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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