

Converting Colors

XYZ(19.9454, 27.3120, 21.5050)

Have a look what the booklet for
XYZ(19.9454, 27.3120, 21.5050)
contains.

XYZ(19.9211, 27.2921, 21.3575)	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(19.9211, 27.2921,
21.3575)**

Conversions

Conversions Part 1

Format	Color
Hex	619B76
RGB	97, 155, 118
RGB Percent	38%, 61%, 46%
CMY	0.6196, 0.3921, 0.5372
CMYK	0.37, 0.00, 0.24, 0.39
HSL	142°, 23%, 49%
HSV	142°, 37%, 61%
XYZ	19.9211, 27.2921, 21.3575
YIQ	133.4400, -22.6910, -23.8030

Conversions

Conversions Part 2

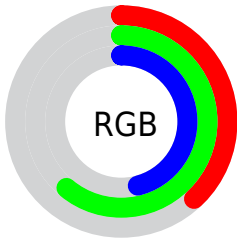
Format	Color
R_{YB}	97, 140, 155
Decimal	6396790
CIE _{Lab}	59.24, -27.32, 13.53
CIE _{LCh}	59, 30.487, 153.664
Yxy	27.2921, 0.2905, 0.3980
Android (android.graphics.Color)	4284586870 (0xFF619B76)
YUV	133.4400, -7.6119, -31.9579
Hunter-Lab	52.2418, -23.3568, 12.3304

Details

The XYZ color **19.9211, 27.2921, 21.3575** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.0962, 17.2397, 24.7182**, and the grayscale version is **22.4882, 23.6594, 25.7651**.

A 20% lighter version of the original color is **42.8800, 55.4795, 46.4788**, and **7.0825, 10.7235, 7.4909** is the 20% darker color. If you saturate the color by 10%, you get **17.8711, 26.3004, 18.3536**, and if you desaturate by 10%, it is **22.3569, 28.4771, 24.7023**.

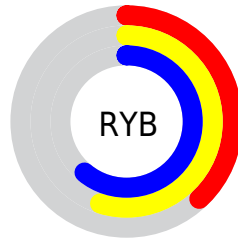
Distribution



Red (38%)

Green (61%)

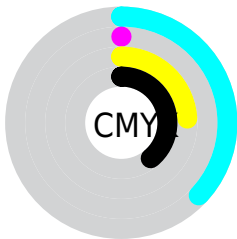
Blue (46%)



Red (38%)

Yellow (55%)

Blue (61%)

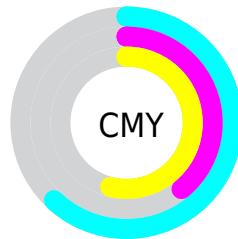


Cyan (37%)

Magenta (0%)

Yellow (24%)

Black (39%)



Cyan (62%)

Magenta (39%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9211, 27.2921, 21.3575 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 19.9211, 27.2921, 21.3575 by changing the saturation by 10% instead.

■ 19.9211, 27.2921,
21.3575

■ 19.9211, 27.2921,
21.3575

244.3294,
289.0686, 272.0155

■ 12.4456, 17.7927,
13.1918

■ 42.7898, 55.3522,
46.5702

■ 7.1223, 10.8013,
7.4285

■ 58.9138, 74.6818,
64.4544

■ 3.5857, 5.9334,
3.6490

■ 78.6513, 98.0568,
86.4150

■ 1.4705, 2.8046,
1.4348

■ 102.3677,
125.8618, 112.8708

■ 0.3057, 1.0306,
0.1687

130.4283,
158.4811, 144.2402

■ 0.0000, 0.0000,
0.0000

163.1986,

196.2991, 180.9417

201.0438,
239.7001, 223.3940

■ 19.9211, 27.2921,
21.3575

■ 19.9211, 27.2921,
21.3575

■ 17.8711, 26.3004,
18.3536

■ 22.3569, 28.4771,
24.7023

■ 16.1839, 25.4881,
15.6778

■ 25.1956, 29.8616,
28.3964

■ 14.8375, 24.8448,
13.3194


■ 28.4555, 31.4558,
32.4504


■ 13.8063, 24.3576,
11.2662


■ 32.1536, 33.2682,
36.8737


■ 13.0609, 24.0115,
9.5053


■ 36.3056, 35.3067,
41.6754


 12.5529, 23.7819,
8.0220

 40.9266, 37.5788,
46.8643

 12.4387, 23.7305,
7.6818

 46.0308, 40.0918,
52.4490

 51.6320, 42.8526,
58.4377

 57.7433, 45.8677,
64.8384

Harmonies

Analogous

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



22.0929, 27.2921, 15.4676



19.9211, 27.2921, 21.3575



19.3034, 27.2921, 31.0756

Triad

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



19.9211, 27.2921, 21.3575



26.4106, 27.2921, 55.9107



32.5176, 27.2921, 19.5503

Complementary

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



19.9211, 27.2921, 21.3575



22.0962, 17.2397, 24.7182

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.



33.9469, 27.2921, 28.3975



19.9211, 27.2921, 21.3575



30.2103, 27.2921, 50.7864

Square

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



19.9211, 27.2921, 21.3575



22.8285, 27.2921, 52.7245



33.0642, 27.2921, 40.0134



29.3228, 27.2921, 14.6173

Rectangle

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



19.9211, 27.2921, 21.3575



19.8005, 27.2921, 38.9436



33.0642, 27.2921, 40.0134



33.2339, 27.2921, 22.0757

Sweetspot

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



19.9218, 27.2932, 21.3581



48.6526, 55.2031, 55.2810



23.8234, 29.4331, 15.7350



10.8461, 12.4137, 12.3064



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.



19.9218, 27.2932, 21.3581



32.5268, 47.3518, 33.6588



21.8636, 28.0700, 31.5835



6.2200, 6.9607, 7.0818



10.0073, 19.0664, 6.2593



0.1660, 0.2916, 0.1801

Inverse Universe

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



22.0962, 17.2397, 24.7182



36.9975, 26.6553, 40.5483



20.3790, 16.5528, 15.6753



6.3662, 6.2857, 7.3087



12.6804, 6.3264, 10.1079



0.2069, 0.1015, 0.2423

Previews

White Background



This preview shows how the XYZ color 19.9211, 27.2921, 21.3575 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 19.9211, 27.2921, 21.3575 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 19.9211, 27.2921, 21.3575

Background



This preview shows how black text looks on a background with the XYZ color 19.9211, 27.2921, 21.3575.



This preview shows how white text looks on a background with the XYZ color 19.9211, 27.2921,

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

19.9211, 27.2921, 21.3575

Protanopia

25.3601, 27.0952, 19.2225

Deuteranopia

27.5628, 27.0830, 22.1872



Tritanopia

23.1243, 27.1323, 37.7365

Trichromacy



Original Color

19.9211, 27.2921, 21.3575

Protanomaly

22.8311, 26.9076, 19.9100

Deuteranomaly

24.0719, 26.8160, 21.9964

Tritanomaly

21.7710, 27.0611, 30.8639

Monochromacy



Original Color

19.9211, 27.2921, 21.3575

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.1669, 24.6013, 24.0550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9211, 27.2921, 21.3575 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(97, 155, 118)` looks like.

```
.text, #text, p{  
    color:rgb(97, 155, 118)  
}
```

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(97, 155, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 155, 118) }
```

Border

The CSS property to change the border of an element to XYZ 19.9211, 27.2921, 21.3575 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(97, 155, 118) }
```


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

```
.border{ border-color:rgb(97, 155, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 155, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 155, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 155, 118);  
box-shadow:4px 4px 4px 4px rgb(97, 155,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9211, 27.2921, 21.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 155, 118) }
```

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

```
.background{ background-color: rgb(97, 155,  
118) }
```

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