

Converting Colors

XYZ(19.4898, 34.1532, 21.3756)

Have a look what the booklet for
XYZ(19.4898, 34.1532, 21.3756)
contains.

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Color

**XYZ(19.5611, 34.2627,
21.5020)**

Conversions

Conversions Part 1

Format	Color
Hex	00B572
RGB	0, 181, 114
RGB Percent	0%, 71%, 45%
CMY	1.0000, 0.2902, 0.5529
CMYK	1.00, 0.00, 0.37, 0.29
HSL	158°, 100%, 35%
HSV	158°, 100%, 71%
XYZ	19.5611, 34.2627, 21.5020
YIQ	119.2430, -86.3690, -59.2090

Conversions

Conversions Part 2

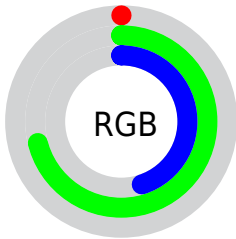
Format	Color
RYB	0, 111, 181
Decimal	46450
CIELab	65.17, -54.67, 23.48
CIELCh	65, 59.499, 156.755
Yxy	34.2627, 0.2597, 0.4549
Android (android.graphics.Color)	4278236530 (0xFF00B572)
YUV	119.2430, -2.5848, -104.5761
Hunter-Lab	58.5343, -42.7837, 19.1945

Details

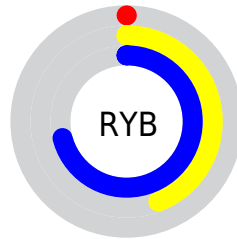
The XYZ color **19.5611, 34.2627, 21.5020** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **20.0702, 10.2296, 6.2280**, and the grayscale version is **17.6402, 18.5588, 20.2106**.

A 20% lighter version of the original color is **42.1768, 66.3351, 46.6574**, and **8.5435, 15.5604, 7.5542** is the 20% darker color. If you saturate the color by 10%, you get **19.5618, 34.2640, 21.5021**, and if you desaturate by 10%, it is **20.2089, 34.5519, 23.5977**.

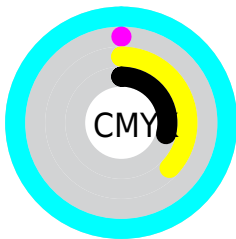
Distribution



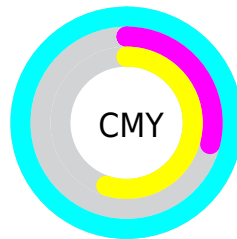
- Red (0%)
- Green (71%)
- Blue (45%)



- Red (0%)
- Yellow (44%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (29%)



- Cyan (100%)
- Magenta (29%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5611, 34.2627, 21.5020 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 19.5611, 34.2627, 21.5020 by changing the saturation by 10% instead.

■ 19.5611, 34.2627,
21.5020

■ 19.5611, 34.2627,
21.5020

242.4082,
321.3018, 272.8026

■ 12.1828, 23.0955,
13.2966

■ 42.1897, 66.3420,
46.8131

■ 6.9414, 14.6640,
7.5000

■ 58.1707, 88.0228,
64.7559

■ 3.4715, 8.5839,
3.6936

■ 77.7500, 113.9770,
86.7816

■ 1.4077, 4.4708,
1.4588

■ 101.2929,
144.5889, 113.3088

■ 0.2617, 1.9403,
0.1869

■ 129.1649,
180.2430, 144.7559

■ 0.0000, 0.5724,
0.0000

■ 161.7311,

■ 0.0000, 0.0000,

221.3236, 181.5416

0.0000

199.3571,
268.2150, 224.0843

■ 19.5611, 34.2627,
21.5020

■ 19.5611, 34.2627,
21.5020

■ 19.5618, 34.2640,
21.5021

■ 20.2089, 34.5519,
23.5977

■ 21.1164, 34.9707,
25.8536

■ 22.3727, 35.5660,
28.2777

■ 24.0206, 36.3597,
30.8748

■ 26.0966, 37.3707,
33.6493

■ 28.6328, 38.6154,
36.6054

■ 31.6581, 40.1086,
39.7472

■ 35.1990, 41.8639,
43.0784

■ 39.2799, 43.8939,
46.6026

Harmonies

Analogous

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



23.6011, 34.2627, 10.6947



19.5611, 34.2627, 21.5020



18.6962, 34.2627, 43.1876

Triad

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



19.5611, 34.2627, 21.5020



34.5593, 34.2627, 107.3154



47.7732, 34.2627, 15.4628

Complementary

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



19.5611, 34.2627, 21.5020



20.0702, 10.2296, 6.2280

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.



52.0078, 34.2627, 31.9847



19.5611, 34.2627, 21.5020



43.5536, 34.2627, 89.8895

Square

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



19.5611, 34.2627, 21.5020



26.4388, 34.2627, 100.3284



50.3409, 34.2627, 59.4124



39.5727, 34.2627, 8.4413

Rectangle

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



19.5611, 34.2627, 21.5020



19.8689, 34.2627, 63.0879



50.3409, 34.2627, 59.4124



49.7681, 34.2627, 19.7240

Sweetspot

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



19.5620, 34.2641, 21.5028



56.4018, 71.6848, 70.8917



19.0064, 34.3285, 5.6245



11.6854, 15.2441, 14.8108



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.5620, 34.2641, 21.5028



34.9199, 61.3183, 37.9110



20.8921, 28.4388, 48.1059



8.6065, 9.5771, 10.1877



13.5193, 23.6337, 15.0033



0.4524, 0.7544, 0.6144

Inverse Universe

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



20.0702, 10.2296, 6.2280



35.8429, 18.2797, 10.6226



19.3273, 10.3650, 0.9822



8.6221, 8.5556, 9.5084



13.8664, 7.0641, 4.4563



0.4651, 0.2338, 0.2917

Previews

White Background



This preview shows how the XYZ color 19.5611, 34.2627, 21.5020 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 19.5611, 34.2627, 21.5020 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 ✓ Pass

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

XYZ 19.5611, 34.2627, 21.5020

Background



This preview shows how black text looks on a background with the XYZ color 19.5611, 34.2627, 21.5020.



This preview shows how white text looks on a background with the XYZ color 19.5611, 34.2627,

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

19.5611, 34.2627, 21.5020

Protanopia

31.1332, 33.6595, 17.9527

Deuteranopia

34.2850, 33.7040, 22.7877



Tritanopia

25.7298, 34.1402, 51.6880

Trichromacy



Original Color

19.5611, 34.2627, 21.5020



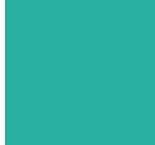
Protanomaly

22.5273, 31.5433, 19.0885



Deuteranomaly

23.5265, 30.9306, 21.8698



Tritanomaly

22.5896, 33.6694, 38.5660

Monochromacy



Original Color

19.5611, 34.2627, 21.5020



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.8644, 22.1669, 20.2721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5611, 34.2627, 21.5020 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(0, 181, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 114)  
}
```

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(0, 181, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 114) }
```

Border

The CSS property to change the border of an element to XYZ 19.5611, 34.2627, 21.5020 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(0, 181, 114) }
```


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

```
.border{ border-color:rgb(0, 181, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5611, 34.2627, 21.5020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 114) }
```

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

```
.background{ background-color: rgb(0, 181,  
114) }
```

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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