

Converting Colors

XYZ(19.6598, 34.3184, 21.9711)

Have a look what the booklet for
XYZ(19.6598, 34.3184, 21.9711)
contains.

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Color

**XYZ(19.6763, 34.3087,
22.1082)**

Conversions

Conversions Part 1

Format	Color
Hex	00B574
RGB	0, 181, 116
RGB Percent	0%, 71%, 45%
CMY	0.9999, 0.2902, 0.5451
CMYK	1.00, 0.00, 0.36, 0.29
HSL	158°, 100%, 35%
HSV	158°, 100%, 71%
XYZ	19.6763, 34.3087, 22.1082
YIQ	119.4710, -87.0110, -58.5870

Conversions

Conversions Part 2

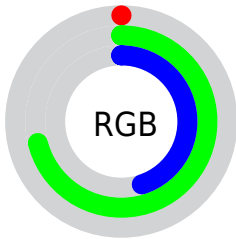
Format	Color
RYB	0, 110, 181
Decimal	46452
CIELab	65.21, -54.25, 22.46
CIELCh	65, 58.714, 157.509
Yxy	34.3087, 0.2586, 0.4509
Android (android.graphics.Color)	4278236532 (0xFF00B574)
YUV	119.4710, -1.7112, -104.7761
Hunter-Lab	58.5736, -42.5414, 18.6230

Details

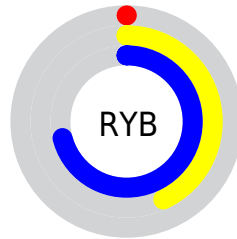
The XYZ color **19.6763, 34.3087, 22.1082** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **20.0116, 10.2064, 5.9192**, and the grayscale version is **17.7112, 18.6335, 20.2919**.

A 20% lighter version of the original color is **42.3617, 66.4091, 47.6313**, and **8.6025, 15.5840, 7.8648** is the 20% darker color. If you saturate the color by 10%, you get **19.6766, 34.3098, 22.1070**, and if you desaturate by 10%, it is **20.3202, 34.5963, 24.1828**.

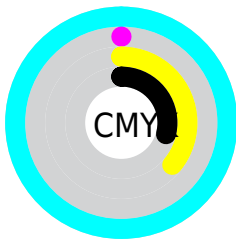
Distribution



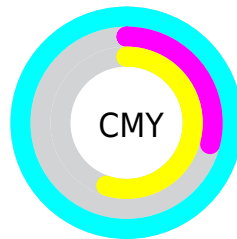
- Red (0%)
- Green (71%)
- Blue (45%)



- Red (0%)
- Yellow (43%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (29%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.6763, 34.3087, 22.1082 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 19.6763, 34.3087, 22.1082 by changing the saturation by 10% instead.


 19.6763, 34.3087,
22.1082


 19.6763, 34.3087,
22.1082


243.0244,
321.5063, 276.0827


 12.2669, 23.1309,
13.7373


 42.3819, 66.4134,
47.8292


 6.9992, 14.6902,
7.8016


 58.4088, 88.1091,
66.0165


 3.5079, 8.6022,
3.8823


 78.0388, 114.0795,
88.3130

 1.4277, 4.4826,
1.5610

 101.6374,
144.7091, 115.1373

 0.2758, 1.9470,
0.2628

 129.5699,
180.3821, 146.9078

 0.0000, 0.5764,
0.0000

 162.2017,

 0.0000, 0.0000,

221.4831, 184.0432

0.0000

199.8981,
268.3964, 226.9620

■ 19.6763, 34.3087,
22.1082

■ 19.6763, 34.3087,
22.1082

■ 19.6766, 34.3098,
22.1070

■ 20.3202, 34.5963,
24.1828

■ 21.2223, 35.0130,
26.4097

■ 22.4717, 35.6056,
28.7964

■ 24.1111, 36.3960,
31.3474

■ 26.1770, 37.4029,
34.0671

■ 28.7014, 38.6428,
36.9592

■ 31.7130, 40.1306,
40.0277

■ 35.2384, 41.8798,
43.2760

■ 39.3021, 43.9029,
46.7075

Harmonies

Analogous

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



23.6036, 34.3087, 11.1025



19.6763, 34.3087, 22.1082



18.8961, 34.3087, 43.8403

Triad

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



19.6763, 34.3087, 22.1082



34.8011, 34.3087, 106.0046



47.4353, 34.3087, 15.4259

Complementary

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



19.6763, 34.3087, 22.1082



20.0116, 10.2064, 5.9192

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.



51.7337, 34.3087, 31.5455



19.6763, 34.3087, 22.1082



43.6561, 34.3087, 88.4126

Square

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



19.6763, 34.3087, 22.1082



26.7262, 34.3087, 99.7738



50.2419, 34.3087, 58.3725



39.2982, 34.3087, 8.5859

Rectangle

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



19.6763, 34.3087, 22.1082



20.1130, 34.3087, 63.5387



50.2419, 34.3087, 58.3725



49.4364, 34.3087, 19.5827

Sweetspot

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



19.6772, 34.3101, 22.1090



56.4979, 71.7233, 71.3977



18.7970, 34.2204, 5.6150



11.7085, 15.2533, 14.9323



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.



19.6772, 34.3101, 22.1090



35.1266, 61.4009, 38.9995



20.3763, 27.4069, 47.9338



8.6105, 9.5787, 10.2086



13.5982, 23.6653, 15.4188



0.4545, 0.7553, 0.6255

Inverse Universe

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



20.0116, 10.2064, 5.9192



35.7393, 18.2383, 10.0770



19.3866, 10.4836, 1.0023



8.6183, 8.5540, 9.4883



13.8253, 7.0477, 4.2398



0.4635, 0.2332, 0.2836

Previews

White Background



This preview shows how the XYZ color 19.6763, 34.3087, 22.1082 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 19.6763, 34.3087, 22.1082 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 19.6763, 34.3087, 22.1082

Background



This preview shows how black text looks on a background with the XYZ color 19.6763, 34.3087, 22.1082.



This preview shows how white text looks on a background with the XYZ color 19.6763, 34.3087,

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

19.6763, 34.3087, 22.1082

Protanopia

31.2361, 33.7006, 18.4942

Deuteranopia

34.4089, 33.7536, 23.4404



Tritanopia

25.7298, 34.1402, 51.6880

Trichromacy



Original Color

19.6763, 34.3087, 22.1082



Protanomaly

22.6350, 31.5864, 19.6556



Deuteranomaly

23.6466, 30.9786, 22.5025



Tritanomaly

22.6774, 33.7046, 39.0286

Monochromacy



Original Color

19.6763, 34.3087, 22.1082



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.9235, 22.1905, 20.5835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6763, 34.3087, 22.1082 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 116) }
```

Border

The CSS property to change the border of an element to XYZ 19.6763, 34.3087, 22.1082 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, 116) }
```


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

```
.border{ border-color:rgb(0, 181, 116) }
```

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, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6763, 34.3087, 22.1082 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, 116) }
```

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

```
.background{ background-color: rgb(0, 181,  
116) }
```

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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