

Converting Colors

XYZ(19.4422, 34.2313, 20.8255)

Have a look what the booklet for
XYZ(19.4422, 34.2313, 20.8255)
contains.

XYZ(19.4485, 34.2176, 20.9088)	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(19.4485, 34.2176,
20.9088)**

Conversions

Conversions Part 1

Format	Color
Hex	00B570
RGB	0, 181, 112
RGB Percent	0%, 71%, 44%
CMY	1.0000, 0.2902, 0.5608
CMYK	1.00, 0.00, 0.38, 0.29
HSL	157°, 100%, 35%
HSV	157°, 100%, 71%
XYZ	19.4485, 34.2176, 20.9088
YIQ	119.0150, -85.7270, -59.8310

Conversions

Conversions Part 2

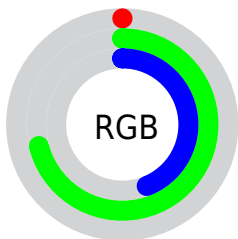
Format	Color
RYB	0, 112, 181
Decimal	46448
CIELab	65.13, -55.08, 24.50
CIELCh	65, 60.287, 156.020
Yxy	34.2176, 0.2608, 0.4588
Android (android.graphics.Color)	4278236528 (0xFF00B570)
YUV	119.0150, -3.4584, -104.3762
Hunter-Lab	58.4958, -43.0206, 19.7544

Details

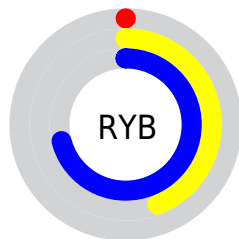
The XYZ color **19.4485, 34.2176, 20.9088** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **20.1315, 10.2542, 6.5507**, and the grayscale version is **17.5710, 18.4861, 20.1313**.

A 20% lighter version of the original color is **41.9947, 66.2623, 45.6985**, and **8.4866, 15.5376, 7.2544** is the 20% darker color. If you saturate the color by 10%, you get **19.4490, 34.2188, 20.9082**, and if you desaturate by 10%, it is **20.1000, 34.5082, 23.0234**.

Distribution



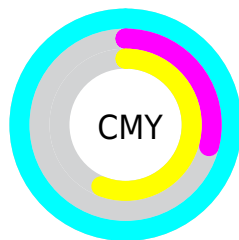
- Red (0%)
- Green (71%)
- Blue (44%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (29%)




- Cyan (100%)
- Magenta (29%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4485, 34.2176, 20.9088 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 19.4485, 34.2176, 20.9088 by changing the saturation by 10% instead.


 19.4485, 34.2176,
20.9088


 19.4485, 34.2176,
20.9088


241.8045,
321.1012, 269.5585


 12.1007, 23.0608,
12.8668


 42.0016, 66.2719,
45.8145


 6.8850, 14.6384,
7.2072


 57.9377, 87.9382,
63.5153


 3.4360, 8.5660,
3.5116


 77.4672, 113.8765,
85.2727

 1.3883, 4.4592,
1.3614

 100.9556,
144.4712, 111.5053

 0.2479, 1.9336,
0.1114

 128.7682,
180.1066, 142.6317

 0.0000, 0.5685,
0.0000

 161.2703,

 0.0000, 0.0000,

221.1671, 179.0703

0.0000

198.8273,
268.0372, 221.2397

■ 19.4485, 34.2176,
20.9088

■ 19.4485, 34.2176,
20.9088

■ 19.4490, 34.2188,
20.9082

■ 20.1000, 34.5082,
23.0234

■ 21.0127, 34.9292,
25.3066

■ 22.2759, 35.5272,
27.7665

■ 23.9324, 36.3245,
30.4082

■ 26.0188, 37.3396,
33.2364

■ 28.5672, 38.5891,
36.2557

■ 31.6065, 40.0879,
39.4702

■ 35.1632, 41.8496,
42.8840

■ 39.2619, 43.8868,
46.5009

Harmonies

Analogous

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



23.6006, 34.2176, 10.2993



19.4485, 34.2176, 20.9088



18.4998, 34.2176, 42.5406

Triad

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



19.4485, 34.2176, 20.9088



34.3188, 34.2176, 108.6258



48.1116, 34.2176, 15.5028

Complementary

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



19.4485, 34.2176, 20.9088



20.1315, 10.2542, 6.5507

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.



52.2810, 34.2176, 32.4303



19.4485, 34.2176, 20.9088



43.4504, 34.2176, 91.3759

Square

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



19.4485, 34.2176, 20.9088



26.1548, 34.2176, 100.8746



50.4382, 34.2176, 60.4635



39.8487, 34.2176, 8.3009

Rectangle

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



19.4485, 34.2176, 20.9088



19.6287, 34.2176, 62.6352



50.4382, 34.2176, 60.4635



50.0999, 34.2176, 19.8691

Sweetspot

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



19.4494, 34.2190, 20.9096



56.3059, 71.6465, 70.3866



19.0067, 34.3286, 5.6247



11.6624, 15.2349, 14.6895



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.



19.4494, 34.2190, 20.9096



34.7172, 61.2372, 36.8431



20.8923, 28.4390, 48.1058



8.6026, 9.5755, 10.1668



13.4418, 23.6027, 14.5953



0.4503, 0.7536, 0.6033

Inverse Universe

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



20.1315, 10.2542, 6.5507



35.9507, 18.3228, 11.1901



19.3274, 10.3652, 0.9824



8.6260, 8.5571, 9.5287



13.9090, 7.0812, 4.6809



0.4666, 0.2344, 0.2998

Previews

White Background



This preview shows how the XYZ color 19.4485, 34.2176, 20.9088 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 19.4485, 34.2176, 20.9088 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 19.4485, 34.2176, 20.9088

Background



This preview shows how black text looks on a background with the XYZ color 19.4485, 34.2176, 20.9088.



This preview shows how white text looks on a background with the XYZ color 19.4485, 34.2176,

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

19.4485, 34.2176, 20.9088

Protanopia

31.2498, 33.7312, 17.4341

Deuteranopia

34.4040, 33.7794, 22.1596



Tritanopia

25.7954, 34.1740, 51.6911

Trichromacy



Original Color

19.4485, 34.2176, 20.9088



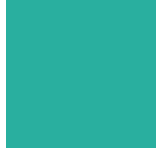
Protanomaly

22.5444, 31.5643, 18.5400



Deuteranomaly

23.5439, 30.9532, 21.2567



Tritanomaly

22.5024, 33.6346, 38.1070

Monochromacy



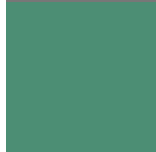
Original Color

19.4485, 34.2176, 20.9088



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.8059, 22.1435, 19.9641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4485, 34.2176, 20.9088 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, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 112)  
}
```

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, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 112) }
```

Border

The CSS property to change the border of an element to XYZ 19.4485, 34.2176, 20.9088 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, 112) }
```


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

```
.border{ border-color:rgb(0, 181, 112) }
```

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, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4485, 34.2176, 20.9088 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, 112) }
```

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

```
.background{ background-color: rgb(0, 181,  
112) }
```

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