

Converting Colors

XYZ(19.0028, 33.2332, 21.0470)

Have a look what the booklet for
XYZ(19.0028, 33.2332, 21.0470)
contains.

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Color

**XYZ(19.1007, 33.4325,
21.0692)**

Conversions

Conversions Part 1

Format	Color
Hex	00B371
RGB	0, 179, 113
RGB Percent	0%, 70%, 44%
CMY	1.0000, 0.2980, 0.5569
CMYK	1.00, 0.00, 0.37, 0.30
HSL	158°, 100%, 35%
HSV	158°, 100%, 70%
XYZ	19.1007, 33.4325, 21.0692
YIQ	117.9550, -85.4980, -58.4740

Conversions

Conversions Part 2

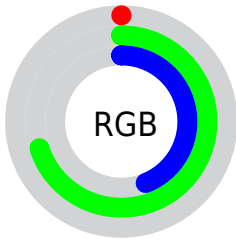
Format	Color
RYB	0, 110, 179
Decimal	45937
CIELab	64.51, -54.15, 23.13
CIELCh	65, 58.887, 156.873
Yxy	33.4325, 0.2595, 0.4542
Android (android.graphics.Color)	4278236017 (0xFF00B371)
YUV	117.9550, -2.4428, -103.4465
Hunter-Lab	57.8208, -42.2203, 18.8700

Details

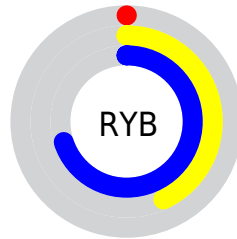
The XYZ color **19.1007, 33.4325, 21.0692** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **19.5748, 9.9777, 6.0496**, and the grayscale version is **17.2334, 18.1309, 19.7446**.

A 20% lighter version of the original color is **41.4031, 65.0872, 45.9782**, and **8.2590, 15.0374, 7.3177** is the 20% darker color. If you saturate the color by 10%, you get **19.1014, 33.4337, 21.0693**, and if you desaturate by 10%, it is **19.7345, 33.7156, 23.1107**.

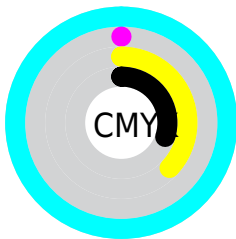
Distribution



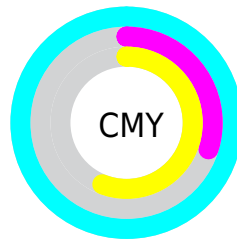
- Red (0%)
- Green (70%)
- Blue (44%)



- Red (0%)
- Yellow (43%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1007, 33.4325, 21.0692 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 19.1007, 33.4325, 21.0692 by changing the saturation by 10% instead.


 19.1007, 33.4325,
21.0692

 19.1007, 33.4325,
21.0692


239.9316,
317.5941, 270.4391


 11.8475, 22.4580,
12.9829


 41.4197, 65.0502,
46.0850


 6.7114, 14.1938,
7.2862

 57.2163, 86.4621,
63.8515


 3.3270, 8.2556,
3.5605


 76.5914, 112.1220,
85.6818

 1.3289, 4.2589,
1.3875

 99.9103, 142.4142,
111.9944

 0.2047, 1.8194,
0.1319

 127.5384,
177.7231, 143.2079

 0.0000, 0.4992,
0.0000

 159.8411,

 0.0000, 0.0000,

218.4331, 179.7408

0.0000

197.1837,
264.9287, 222.0117

■ 19.1007, 33.4325,
21.0692

■ 19.1007, 33.4325,
21.0692

■ 19.1014, 33.4337,
21.0693

■ 19.7345, 33.7156,
23.1107

■ 20.6206, 34.1247,
25.3072

■ 21.8464, 34.7057,
27.6665

■ 23.4538, 35.4801,
30.1931

■ 25.4781, 36.4660,
32.8914

■ 27.9504, 37.6795,
35.7655

■ 30.8991, 39.1350,
38.8192

■ 34.3496, 40.8458,
42.0562

■ 38.3260, 42.8240,
45.4799

Harmonies

Analogous

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



23.0247, 33.4325, 10.4954



19.1007, 33.4325, 21.0692



18.2699, 33.4325, 42.2326

Triad

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



19.1007, 33.4325, 21.0692



33.7520, 33.4325, 104.4910



46.5537, 33.4325, 15.0790

Complementary

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



19.1007, 33.4325, 21.0692



19.5748, 9.9777, 6.0496

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.



50.6948, 33.4325, 31.1350



19.1007, 33.4325, 21.0692



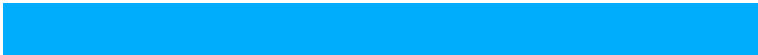
42.5052, 33.4325, 87.4646

Square

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



19.1007, 33.4325, 21.0692



25.8369, 33.4325, 97.7919



49.0957, 33.4325, 57.7995



38.5633, 33.4325, 8.2570

Rectangle

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



19.1007, 33.4325, 21.0692



19.4207, 33.4325, 61.6159



49.0957, 33.4325, 57.7995



48.5009, 33.4325, 19.2200

Sweetspot

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



19.1016, 33.4338, 21.0700



55.0464, 69.9432, 69.2346



18.5483, 33.4929, 5.4874



11.6885, 15.2453, 14.8267



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.



19.1016, 33.4338, 21.0700



34.0969, 59.8319, 37.1446



20.3845, 27.7496, 46.9314



8.6071, 9.5773, 10.1904



13.5296, 23.6378, 15.0574



0.4527, 0.7545, 0.6158

Inverse Universe

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



19.5748, 9.9777, 6.0496



34.9571, 17.8290, 10.3111



18.8573, 10.1164, 0.9589



8.6216, 8.5554, 9.5058



13.8609, 7.0619, 4.4274



0.4649, 0.2337, 0.2906

Previews

White Background



This preview shows how the XYZ color 19.1007, 33.4325, 21.0692 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 19.1007, 33.4325, 21.0692 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 19.1007, 33.4325, 21.0692

Background



This preview shows how black text looks on a background with the XYZ color 19.1007, 33.4325, 21.0692.



This preview shows how white text looks on a background with the XYZ color 19.1007, 33.4325,

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

19.1007, 33.4325, 21.0692

Protanopia

30.5317, 32.8570, 17.5648

Deuteranopia

33.4290, 32.7960, 22.3377



Tritanopia

25.1408, 33.3001, 50.4499

Trichromacy



Original Color

19.1007, 33.4325, 21.0692



Protanomaly

22.1136, 30.8006, 18.6895



Deuteranomaly

22.9842, 30.1390, 21.4356



Tritanomaly

22.0296, 32.8272, 37.5230

Monochromacy



Original Color

19.1007, 33.4325, 21.0692



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.4321, 21.5130, 19.8621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1007, 33.4325, 21.0692 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, 179, 113)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 113)  
}
```

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, 179, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 113) }
```

Border

The CSS property to change the border of an element to XYZ 19.1007, 33.4325, 21.0692 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, 179, 113) }
```


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

```
.border{ border-color:rgb(0, 179, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 113);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1007, 33.4325, 21.0692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 113) }
```

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

```
.background{ background-color: rgb(0, 179,  
113) }
```

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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