

Converting Colors

XYZ(19.5086, 33.1142, 20.2409)

Have a look what the booklet for
XYZ(19.5086, 33.1142, 20.2409)
contains.

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Color

**XYZ(19.4511, 33.0415,
20.1043)**

Conversions

Conversions Part 1

Format	Color
Hex	29B16E
RGB	41, 177, 110
RGB Percent	16%, 69%, 43%
CMY	0.8392, 0.3059, 0.5686
CMYK	0.77, 0.00, 0.38, 0.31
HSL	150°, 62%, 43%
HSV	150°, 77%, 69%
XYZ	19.4511, 33.0415, 20.1043
YIQ	128.6980, -59.5490, -49.6690

Conversions

Conversions Part 2

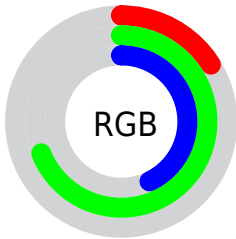
Format	Color
RYB	41, 131, 177
Decimal	2732398
CIELab	64.19, -51.02, 24.38
CIELCh	64, 56.543, 154.458
Yxy	33.0415, 0.2679, 0.4551
Android (android.graphics.Color)	4280922478 (0xFF29B16E)
YUV	128.6980, -9.2181, -76.9111
Hunter-Lab	57.4817, -40.1909, 19.5005

Details

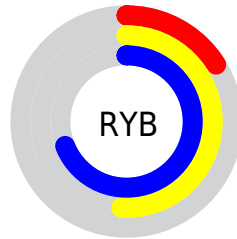
The XYZ color **19.4511, 33.0415, 20.1043** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **21.6323, 12.0165, 15.3683**, and the grayscale version is **20.8077, 21.8913, 23.8396**.

A 20% lighter version of the original color is **42.1287, 64.6424, 44.4392**, and **7.9253, 14.5028, 6.7965** is the 20% darker color. If you saturate the color by 10%, you get **18.4459, 32.5764, 17.7001**, and if you desaturate by 10%, it is **20.8220, 33.6915, 22.7711**.

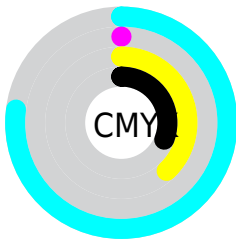
Distribution



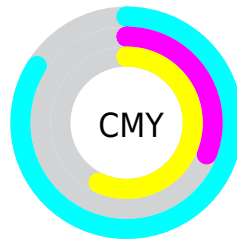
- Red (16%)
- Green (69%)
- Blue (43%)



- Red (16%)
- Yellow (51%)
- Blue (69%)



- Cyan (77%)
- Magenta (0%)
- Yellow (38%)
- Black (31%)



- Cyan (84%)
- Magenta (31%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4511, 33.0415, 20.1043 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 19.4511, 33.0415, 20.1043 by changing the saturation by 10% instead.

■ 19.4511, 33.0415,
20.1043

■ 19.4511, 33.0415,
20.1043

241.8185,
315.8367, 265.1021

■ 12.1026, 22.1582,
12.2861

■ 42.0060, 64.4403,
44.4532

■ 6.8863, 13.9732,
6.8139

■ 57.9431, 85.7247,
61.8210

■ 3.4368, 8.1020,
3.2693

■ 77.4738, 111.2448,
83.2091

■ 1.3887, 4.1603,
1.2337

■ 100.9634,
141.3852, 109.0359

■ 0.2482, 1.7636,
0.0065

■ 128.7774,
176.5302, 139.7201

■ 0.0000, 0.4644,
0.0000

161.2809,

■ 0.0000, 0.0000,

217.0642, 175.6802

0.0000

198.8395,
263.3715, 217.3346

■ 19.4511, 33.0415,
20.1043

■ 19.4511, 33.0415,
20.1043

■ 18.4459, 32.5764,
17.7001

■ 20.8220, 33.6915,
22.7711

■ 17.7493, 32.2642,
15.5465

■ 22.5952, 34.5425,
25.7066

■ 17.5597, 32.1803,
14.9143

■ 24.8052, 35.6130,
28.9198

■ 27.4820, 36.9182,
32.4182

■ 30.6528, 38.4722,
36.2092

■ 34.3428, 40.2878,
40.2996

■ 38.5753, 42.3768,
44.6963

■ 43.3720, 44.7503,
49.4058

■ 48.7537, 47.4190,
54.4343

Harmonies

Analogous

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



23.4673, 33.0415, 10.4759



19.4511, 33.0415, 20.1043



18.4098, 33.0415, 39.5174

Triad

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



19.4511, 33.0415, 20.1043



32.6181, 33.0415, 100.3583



45.9032, 33.0415, 16.3364

Complementary

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



19.4511, 33.0415, 20.1043



21.6323, 12.0165, 15.3683

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.



49.4115, 33.0415, 32.6538



19.4511, 33.0415, 20.1043



40.9566, 33.0415, 86.0196

Square

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



19.4511, 33.0415, 20.1043



25.2177, 33.0415, 92.3009



47.4633, 33.0415, 58.5600



38.5296, 33.0415, 9.0398

Rectangle

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



19.4511, 33.0415, 20.1043



19.3617, 33.0415, 57.5189



47.4633, 33.0415, 58.5600



47.6258, 33.0415, 20.6221

Sweetspot

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



19.4520, 33.0428, 20.1051



57.0630, 69.9648, 67.3066



22.4302, 34.8571, 7.6441



11.8844, 14.9256, 14.0391



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.4520, 33.0428, 20.1051



32.1465, 57.9408, 29.0524



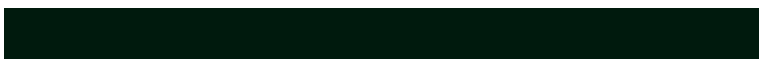
24.5735, 35.0914, 47.0747



8.5629, 9.5596, 9.9576



12.7529, 23.3271, 10.9675



0.4307, 0.7457, 0.4999

Inverse Universe

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



21.6323, 12.0165, 15.3683



36.2316, 18.5994, 20.2166



19.3256, 11.0938, 3.2210



8.6650, 8.5727, 9.7345



14.4198, 7.2855, 7.3707



0.4832, 0.2410, 0.3872

Previews

White Background



This preview shows how the XYZ color 19.4511, 33.0415, 20.1043 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 19.4511, 33.0415, 20.1043 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 19.4511, 33.0415, 20.1043

Background



This preview shows how black text looks on a background with the XYZ color 19.4511, 33.0415, 20.1043.



This preview shows how white text looks on a background with the XYZ color 19.4511, 33.0415,

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

19.4511, 33.0415, 20.1043

Protanopia

30.0530, 32.3756, 16.9771

Deuteranopia

33.0922, 32.4092, 21.3411



Tritanopia

25.1938, 32.7991, 49.2590

Trichromacy



Original Color

19.4511, 33.0415, 20.1043



Protanomaly

23.4451, 30.9777, 17.8403



Deuteranomaly

24.7955, 30.8365, 20.5648



Tritanomaly

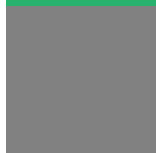
22.4881, 32.5182, 36.5439

Monochromacy



Original Color

19.4511, 33.0415, 20.1043



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.7215, 24.5043, 22.1554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4511, 33.0415, 20.1043 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(41, 177, 110)` looks like.

```
.text, #text, p{  
    color:rgb(41, 177, 110)  
}
```

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(41, 177, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 177, 110) }
```

Border

The CSS property to change the border of an element to XYZ 19.4511, 33.0415, 20.1043 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(41, 177, 110) }
```


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

```
.border{ border-color:rgb(41, 177, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 177, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 177, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 177, 110);  
box-shadow:4px 4px 4px 4px rgb(41, 177,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4511, 33.0415, 20.1043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 177, 110) }
```

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

```
.background{ background-color: rgb(41, 177,  
110) }
```

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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