

Converting Colors

XYZ(16.5090, 31.2506, 19.3227)

Have a look what the booklet for
XYZ(16.5090, 31.2506, 19.3227)
contains.

XYZ(18.2321, 32.1334, 19.4288)	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(18.2321, 32.1334,
19.4288)**

Conversions

Conversions Part 1

Format	Color
Hex	00B06C
RGB	0, 176, 108
RGB Percent	0%, 69%, 42%
CMY	1.0000, 0.3098, 0.5765
CMYK	1.00, 0.00, 0.39, 0.31
HSL	157°, 100%, 35%
HSV	157°, 100%, 69%
XYZ	18.2321, 32.1334, 19.4288
YIQ	115.6240, -83.0680, -58.4600

Conversions

Conversions Part 2

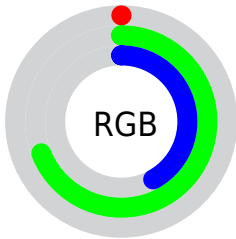
Format	Color
RYB	0, 109, 176
Decimal	45164
CIELab	63.45, -54.11, 24.39
CIELCh	63, 59.353, 155.735
Yxy	32.1334, 0.2612, 0.4604
Android (android.graphics.Color)	4278235244 (0xFF00B06C)
YUV	115.6240, -3.7586, -101.4022
Hunter-Lab	56.6863, -41.7899, 19.3592

Details

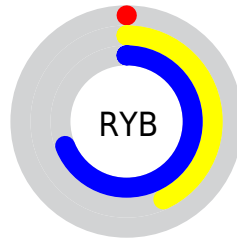
The XYZ color **18.2321, 32.1334, 19.4288** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.9490, 9.6481, 6.3341**, and the grayscale version is **16.5160, 17.3762, 18.9226**.

A 20% lighter version of the original color is **39.9983, 63.1430, 43.3374**, and **7.7751, 14.2453, 6.6148** is the 20% darker color. If you saturate the color by 10%, you get **18.2326, 32.1345, 19.4285**, and if you desaturate by 10%, it is **18.8513, 32.4100, 21.4223**.

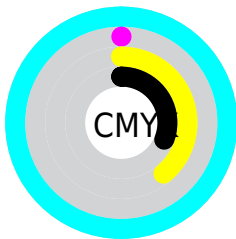
Distribution



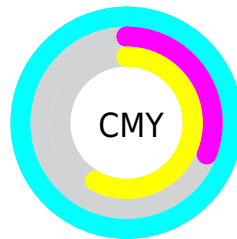
- Red (0%)
- Green (69%)
- Blue (42%)



- Red (0%)
- Yellow (43%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2321, 32.1334, 19.4288 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 18.2321, 32.1334, 19.4288 by changing the saturation by 10% instead.


 18.2321, 32.1334,
19.4288


 18.2321, 32.1334,
19.4288


235.1964,
311.7265, 261.3070


 11.2174, 21.4634,
11.8006


 39.9594, 63.0202,
43.3037


 6.2817, 13.4632,
6.4872


 55.4028, 84.0057,
60.3875


 3.0594, 7.7482,
3.0700


 74.3864, 109.1986,
81.4603

 1.1852, 3.9343,
1.1305

 97.2757, 138.9832,
106.9405

 0.0947, 1.6369,
0.0000

 124.4360,
173.7439, 137.2467

 0.0000, 0.3823,
0.0000

 156.2327,

 0.0000, 0.0000,

213.8650, 172.7975

0.0000

193.0310,
259.7311, 214.0115

■ 18.2321, 32.1334,
19.4288

■ 18.2321, 32.1334,
19.4288

■ 18.2326, 32.1345,
19.4285

■ 18.8513, 32.4100,
21.4223

■ 19.7145, 32.8082,
23.5772

■ 20.9071, 33.3728,
25.9012

■ 22.4690, 34.1243,
28.3994

■ 24.4343, 35.0802,
31.0762

■ 26.8329, 36.2560,
33.9360

■ 29.6920, 37.6654,
36.9827

■ 33.0362, 39.3212,
40.2204

■ 36.8885, 41.2351,
43.6526

Harmonies

Analogous

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



22.1747, 32.1334, 9.5335



18.2321, 32.1334, 19.4288



17.3099, 32.1334, 39.7319

Triad

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



18.2321, 32.1334, 19.4288



32.1563, 32.1334, 102.5478



45.3299, 32.1334, 14.5814

Complementary

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



18.2321, 32.1334, 19.4288



18.9490, 9.6481, 6.3341

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.



49.2229, 32.1334, 30.6372



18.2321, 32.1334, 19.4288



40.7864, 32.1334, 86.4079

Square

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



18.2321, 32.1334, 19.4288



24.4698, 32.1334, 94.9798



47.4260, 32.1334, 57.2022



37.5434, 32.1334, 7.7482

Rectangle

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



18.2321, 32.1334, 19.4288



18.3545, 32.1334, 58.6825



47.4260, 32.1334, 57.2022



47.1955, 32.1334, 18.7230

Sweetspot

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



18.2329, 32.1347, 19.4295



53.5526, 68.1634, 66.7702



18.0812, 32.3692, 5.2952



11.1254, 14.5351, 13.9706



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.



18.2329, 32.1347, 19.4295



32.9526, 58.2336, 34.6345



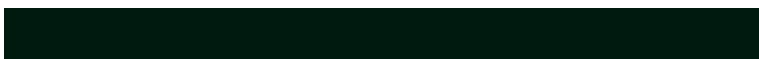
20.1327, 27.7264, 45.3665



8.6007, 9.5748, 10.1570



13.4064, 23.5885, 14.4087



0.4493, 0.7532, 0.5982

Inverse Universe

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



18.9490, 9.6481, 6.3341



34.2624, 17.4562, 10.9434



18.1153, 9.6505, 0.9082



8.6277, 8.5578, 9.5382



13.9293, 7.0893, 4.7878



0.4673, 0.2347, 0.3036

Previews

White Background



This preview shows how the XYZ color 18.2321, 32.1334, 19.4288 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 18.2321, 32.1334, 19.4288 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 18.2321, 32.1334, 19.4288

Background



This preview shows how black text looks on a background with the XYZ color 18.2321, 32.1334, 19.4288.



This preview shows how white text looks on a background with the XYZ color 18.2321, 32.1334,

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

18.2321, 32.1334, 19.4288

Protanopia

29.3217, 31.7713, 16.1423

Deuteranopia

32.1958, 31.4989, 20.6026



Tritanopia

24.2091, 32.0304, 48.6226

Trichromacy



Original Color

18.2321, 32.1334, 19.4288



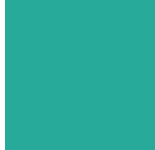
Protanomaly

21.0870, 29.5132, 17.1556



Deuteranomaly

22.0518, 28.9286, 19.7508



Tritanomaly

21.0825, 31.5337, 35.5473

Monochromacy



Original Color

18.2321, 32.1334, 19.4288



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.8932, 20.8251, 18.8575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2321, 32.1334, 19.4288 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, 176, 108)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 108)  
}
```

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, 176, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 108) }
```

Border

The CSS property to change the border of an element to XYZ 18.2321, 32.1334, 19.4288 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, 176, 108) }
```


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

```
.border{ border-color:rgb(0, 176, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 108);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2321, 32.1334, 19.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 108) }
```

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

```
.background{ background-color: rgb(0, 176,  
108) }
```

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