

Converting Colors

XYZ(18.9906, 32.4455, 23.0310)

Have a look what the booklet for
XYZ(18.9906, 32.4455, 23.0310)
contains.

XYZ(18.9906, 32.4455, 23.0310)	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(18.9906, 32.4455,
23.0310)**

Conversions

Conversions Part 1

Format	Color
Hex	06B078
RGB	6, 176, 120
RGB Percent	2%, 69%, 47%
CMY	0.9764, 0.3098, 0.5294
CMYK	0.97, 0.00, 0.32, 0.31
HSL	160°, 93%, 36%
HSV	160°, 97%, 69%
XYZ	18.9906, 32.4455, 23.0310
YIQ	118.7860, -83.3440, -53.4560

Conversions

Conversions Part 2

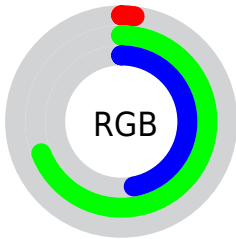
Format	Color
RYB	6, 108, 176
Decimal	438392
CIELab	63.71, -51.27, 18.27
CIELCh	64, 54.426, 160.391
Yxy	32.4455, 0.2550, 0.4357
Android (android.graphics.Color)	4278628472 (0xFF06B078)
YUV	118.7860, 0.5985, -98.9133
Hunter-Lab	56.9610, -40.1703, 15.9000

Details

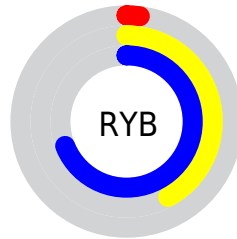
The XYZ color **18.9906, 32.4455, 23.0310** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.8403, 9.7089, 5.4403**, and the grayscale version is **17.4855, 18.3961, 20.0333**.

A 20% lighter version of the original color is **41.4011, 63.7279, 49.6538**, and **8.0969, 14.3740, 8.3089** is the 20% darker color. If you saturate the color by 10%, you get **18.7972, 32.3604, 22.4017**, and if you desaturate by 10%, it is **19.6465, 32.7425, 24.9555**.

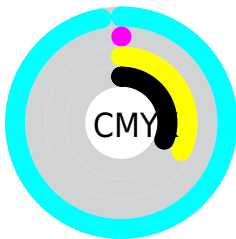
Distribution



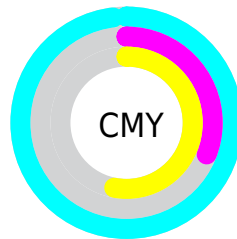
- Red (2%)
- Green (69%)
- Blue (47%)



- Red (2%)
- Yellow (42%)
- Blue (69%)



- Cyan (97%)
- Magenta (0%)
- Yellow (32%)
- Black (31%)





- Cyan (98%)
- Magenta (31%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9906, 32.4455, 23.0310 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 18.9906, 32.4455, 23.0310 by changing the saturation by 10% instead.


 18.9906, 32.4455,
23.0310


 18.9906, 32.4455,
23.0310


239.3360,
313.1437, 281.0113


 11.7675, 21.7020,
14.4109


 41.2352, 63.5088,
49.3681


 6.6566, 13.6381,
8.2650


 56.9874, 84.5975,
67.9221


 3.2927, 7.8694,
4.1748


 76.3133, 109.9033,
90.6245

 1.3104, 4.0115,
1.7217

 99.5782, 139.8107,
117.8938

 0.1910, 1.6800,
0.3755

 127.1476,
174.7040, 150.1486

 0.0000, 0.4107,
0.0000

 159.3868,

 0.0000, 0.0000,

214.9677, 187.8075

0.0000

196.6611,
260.9861, 231.2888

■ 18.9906, 32.4455,
23.0310

■ 18.9906, 32.4455,
23.0310

■ 18.7972, 32.3604,
22.4017

■ 19.6465, 32.7425,
24.9555

■ 20.5863, 33.1826,
27.0057

■ 21.8623, 33.7935,
29.1867

■ 23.5120, 34.5944,
31.5021

■ 25.5676, 35.6019,
33.9550

■ 28.0577, 36.8308,
36.5486

■ 31.0085, 38.2945,
39.2857

■ 34.4437, 40.0051,
42.1692

■ 38.3856, 41.9742,
45.2018

Harmonies

Analogous

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



22.2832, 32.4455, 12.0329



18.9906, 32.4455, 23.0310



18.5528, 32.4455, 43.4516

Triad

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



18.9906, 32.4455, 23.0310



33.5581, 32.4455, 94.7808



43.4015, 32.4455, 14.5123

Complementary

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



18.9906, 32.4455, 23.0310



18.8403, 9.7089, 5.4403

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.



47.6163, 32.4455, 28.2852



18.9906, 32.4455, 23.0310



41.3434, 32.4455, 77.9071

Square

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



18.9906, 32.4455, 23.0310



26.1770, 32.4455, 91.4498



46.8066, 32.4455, 51.3684



36.0229, 32.4455, 8.7055

Rectangle

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



18.9906, 32.4455, 23.0310



19.8455, 32.4455, 61.0996



46.8066, 32.4455, 51.3684



45.2863, 32.4455, 18.0640

Sweetspot

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



18.9915, 32.4468, 23.0318



54.5837, 68.6296, 69.7703



17.5881, 32.1112, 5.4437



11.3462, 14.6336, 14.6722



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.



18.9915, 32.4468, 23.0318



33.9818, 58.6453, 40.0545



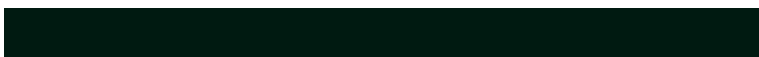
18.4504, 24.2503, 44.7842



8.6212, 9.5830, 10.2650



13.8192, 23.7537, 16.5826



0.4604, 0.7576, 0.6564

Inverse Universe

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



18.8403, 9.7089, 5.4403



33.7637, 17.2567, 8.3171



18.5200, 10.4074, 1.2053



8.6080, 8.5499, 9.4340



13.7213, 7.0061, 3.6926



0.4594, 0.2315, 0.2617

Previews

White Background



This preview shows how the XYZ color 18.9906, 32.4455, 23.0310 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 18.9906, 32.4455, 23.0310 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 18.9906, 32.4455, 23.0310

Background



This preview shows how black text looks on a background with the XYZ color 18.9906, 32.4455, 23.0310.



This preview shows how white text looks on a background with the XYZ color 18.9906, 32.4455,

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

18.9906, 32.4455, 23.0310

Protanopia

29.7228, 31.9076, 19.3441

Deuteranopia

32.3311, 31.7209, 24.1574



Tritanopia

24.3096, 32.3433, 49.2176

Trichromacy



Original Color

18.9906, 32.4455, 23.0310



Protanomaly

21.8455, 29.8304, 20.5261



Deuteranomaly

22.9352, 29.5538, 23.5644



Tritanomaly

21.6960, 32.0801, 37.8495

Monochromacy



Original Color

18.9906, 32.4455, 23.0310



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.8497, 21.7078, 20.8074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9906, 32.4455, 23.0310 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(6, 176, 120)` looks like.

```
.text, #text, p{  
    color:rgb(6, 176, 120)  
}
```

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(6, 176, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 176, 120) }
```

Border

The CSS property to change the border of an element to XYZ 18.9906, 32.4455, 23.0310 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(6, 176, 120) }
```


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

```
.border{ border-color:rgb(6, 176, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 176, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 176, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 176, 120);  
box-shadow:4px 4px 4px 4px rgb(6, 176,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9906, 32.4455, 23.0310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 176, 120) }
```

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

```
.background{ background-color: rgb(6, 176,  
120) }
```

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