

Converting Colors

XYZ(18.3460, 32.9715, 17.5850)

Have a look what the booklet for
XYZ(18.3460, 32.9715, 17.5850)
contains.

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Color

**XYZ(18.4691, 33.1798,
17.7428)**

Conversions

Conversions Part 1

Format	Color
Hex	00B365
RGB	0, 179, 101
RGB Percent	0%, 70%, 40%
CMY	0.9999, 0.2980, 0.6039
CMYK	1.00, 0.00, 0.44, 0.30
HSL	154°, 100%, 35%
HSV	154°, 100%, 70%
XYZ	18.4691, 33.1798, 17.7428
YIQ	116.5870, -81.6460, -62.2060

Conversions

Conversions Part 2

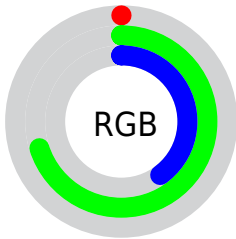
Format	Color
RYB	0, 114, 179
Decimal	45925
CIELab	64.31, -56.54, 29.22
CIELCh	64, 63.646, 152.672
Yxy	33.1798, 0.2662, 0.4782
Android (android.graphics.Color)	4278236005 (0xFF00B365)
YUV	116.5870, -7.6844, -102.2468
Hunter-Lab	57.6019, -43.5703, 22.0586

Details

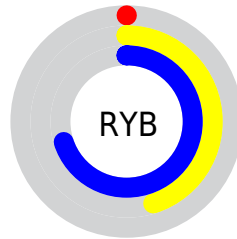
The XYZ color **18.4691, 33.1798, 17.7428** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **19.9669, 10.1346, 8.1143**, and the grayscale version is **16.8236, 17.6997, 19.2750**.

A 20% lighter version of the original color is **40.3613, 64.6705, 40.4924**, and **7.9762, 14.9243, 5.8284** is the 20% darker color. If you saturate the color by 10%, you get **18.4695, 33.1809, 17.7420**, and if you desaturate by 10%, it is **19.1183, 33.4691, 19.8649**.

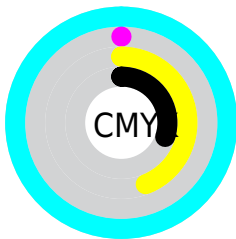
Distribution



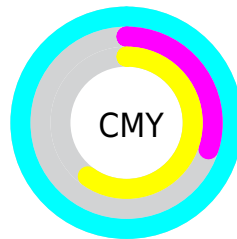
- Red (0%)
- Green (70%)
- Blue (40%)



- Red (0%)
- Yellow (45%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4691, 33.1798, 17.7428 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 18.4691, 33.1798, 17.7428 by changing the saturation by 10% instead.

■ 18.4691, 33.1798,
17.7428

■ 18.4691, 33.1798,
17.7428

■ 236.4968,
316.4591, 251.6046

■ 11.3890, 22.2642,
10.5980

■ 40.3589, 64.6561,
40.4066

■ 6.3983, 14.0512,
5.6864

■ 55.8993, 85.9857,
56.7626

■ 3.1317, 8.1563,
2.5897

■ 74.9906, 111.5553,
77.0261

■ 1.2238, 4.1951,
0.8871

■ 97.9980, 141.7495,
101.6156

■ 0.1250, 1.7833,
0.0000

■ 125.2870,
176.9526, 130.9496

■ 0.0000, 0.4767,
0.0000

■ 157.2229,

■ 0.0000, 0.0000,

217.5489, 165.4468

0.0000

194.1710,
263.9230, 205.5256

■ 18.4691, 33.1798,
17.7428

■ 18.4691, 33.1798,
17.7428

■ 18.4695, 33.1809,
17.7420

■ 19.1183, 33.4691,
19.8649

■ 20.0294, 33.8882,
22.1930

■ 21.2905, 34.4833,
24.7369

■ 22.9435, 35.2759,
27.5030

■ 25.0242, 36.2845,
30.4978

■ 27.5642, 37.5250,
33.7269

■ 30.5919, 39.0122,
37.1960

■ 34.1333, 40.7594,
40.9105

■ 38.2127, 42.7788,
44.8754

Harmonies

Analogous

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



23.0469, 33.1798, 8.3242



18.4691, 33.1798, 17.7428



17.1558, 33.1798, 38.5001

Triad

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



18.4691, 33.1798, 17.7428



32.3544, 33.1798, 112.2417



48.5630, 33.1798, 15.3544

Complementary

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



18.4691, 33.1798, 17.7428



19.9669, 10.1346, 8.1143

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.



52.3002, 33.1798, 33.8538



18.4691, 33.1798, 17.7428



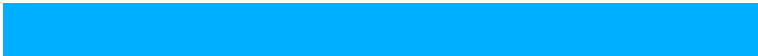
41.8902, 33.1798, 96.3843

Square

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



18.4691, 33.1798, 17.7428



24.2055, 33.1798, 100.9219



49.6526, 33.1798, 64.1644



40.2155, 33.1798, 7.4814

Rectangle

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



18.4691, 33.1798, 17.7428



18.0542, 33.1798, 58.9344



49.6526, 33.1798, 64.1644



50.4652, 33.1798, 20.1251

Sweetspot

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



18.4699, 33.1811, 17.7436



54.4862, 69.7191, 66.2844



19.4764, 33.9714, 5.5310



11.5508, 15.1903, 14.1020



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.



18.4699, 33.1811, 17.7436



32.9624, 59.3781, 31.1702



22.5219, 32.0244, 47.6437



8.5831, 9.5677, 10.0640



13.0841, 23.4596, 12.7114



0.4403, 0.7496, 0.5509

Inverse Universe

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



19.9669, 10.1346, 8.1143



35.6500, 18.1062, 13.9597



18.6885, 9.7787, 0.9029



8.6450, 8.5647, 9.6291



14.1403, 7.1737, 5.8986



0.4744, 0.2375, 0.3409

Previews

White Background



This preview shows how the XYZ color 18.4691, 33.1798, 17.7428 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 18.4691, 33.1798, 17.7428 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

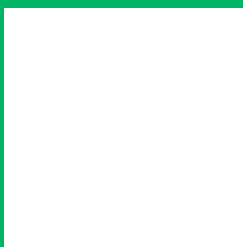
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4691, 33.1798, 17.7428

Background



This preview shows how black text looks on a background with the XYZ color 18.4691, 33.1798, 17.7428.



This preview shows how white text looks on a background with the XYZ color 18.4691, 33.1798,

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

18.4691, 33.1798, 17.7428

Protanopia

30.0153, 32.6504, 14.8454

Deuteranopia

33.0638, 32.4529, 18.7087



Tritanopia

25.1687, 33.3266, 49.9059

Trichromacy



Original Color

18.4691, 33.1798, 17.7428



Protanomaly

21.5254, 30.5653, 15.5917



Deuteranomaly

22.2841, 29.5981, 17.9031



Tritanomaly

21.6482, 32.6793, 35.3037

Monochromacy



Original Color

18.4691, 33.1798, 17.7428



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.0714, 21.3597, 18.3674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4691, 33.1798, 17.7428 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 101) }
```

Border

The CSS property to change the border of an element to XYZ 18.4691, 33.1798, 17.7428 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, 101) }
```


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

```
.border{ border-color:rgb(0, 179, 101) }
```

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, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4691, 33.1798, 17.7428 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, 101) }
```

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

```
.background{ background-color: rgb(0, 179,  
101) }
```

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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