

Converting Colors

XYZ(18.2215, 32.4260, 5.2985)

Have a look what the booklet for
XYZ(18.2215, 32.4260, 5.2985)
contains.

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Color

**XYZ(18.1978, 32.4284,
5.3002)**

Conversions

Conversions Part 1

Format	Color
Hex	48B000
RGB	72, 176, 0
RGB Percent	28%, 69%, 0%
CMY	0.7177, 0.3098, 0.9999
CMYK	0.59, 0.00, 1.00, 0.31
HSL	95°, 100%, 35%
HSV	95°, 100%, 69%
XYZ	18.1978, 32.4284, 5.3002
YIQ	124.8400, -5.4880, -76.7840

Conversions

Conversions Part 2

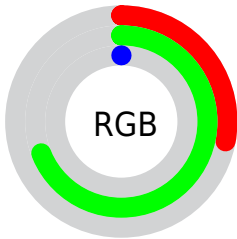
Format	Color
RYB	0, 176, 104
Decimal	4763648
CIELab	63.70, -55.33, 64.38
CIELCh	64, 84.893, 130.679
Yxy	32.4284, 0.3254, 0.5798
Android (android.graphics.Color)	4282953728 (0xFF48B000)
YUV	124.8400, -61.5461, -46.3407
Hunter-Lab	56.9459, -42.6134, 34.3438

Details

The XYZ color **18.1978, 32.4284, 5.3002** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **13.5485, 6.0795, 41.5355**, and the grayscale version is **19.6424, 20.6653, 22.5045**.

A 20% lighter version of the original color is **40.1163, 63.7862, 17.0351**, and **6.9595, 13.9191, 2.3198** is the 20% darker color. If you saturate the color by 10%, you get **18.1977, 32.4293, 5.3004**, and if you desaturate by 10%, it is **19.1467, 32.9063, 5.8984**.

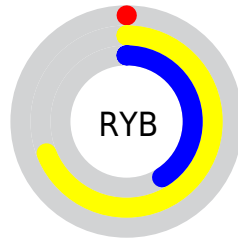
Distribution



Red (28%)

Green (69%)

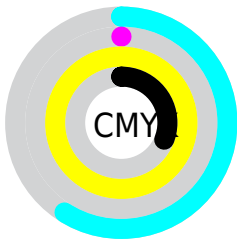
Blue (0%)



Red (0%)

Yellow (69%)

Blue (41%)

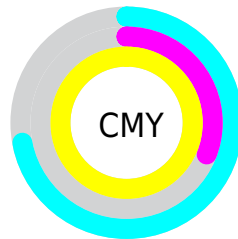


Cyan (59%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (72%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.1978, 32.4284, 5.3002 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 18.1978, 32.4284, 5.3002 by changing the saturation by 10% instead.


 18.1978, 32.4284,
5.3002


 18.1978, 32.4284,
5.3002


235.0077,
313.0662, 161.7352


 11.1926, 21.6889,
2.3627


 39.9015, 63.4821,
16.9120


 6.2648, 13.6285,
0.7660


 55.3308, 84.5651,
26.4233


 3.0489, 7.8627,
0.0000


 74.2988, 109.8647,
38.9630

 1.1797, 4.0072,
0.0000

 97.1710, 139.7654,
54.9495

 0.0903, 1.6776,
0.0000

 124.3126,
174.6514, 74.8015


 0.0000, 0.4091,
0.0000


 156.0890,


 0.0000, 0.0000,


214.9073, 98.9374


0.0000


 192.8656,
260.9174, 127.7758


 18.1978, 32.4284,
5.3002


 18.1978, 32.4284,
5.3002


 18.1977, 32.4293,
5.3004

 19.1467, 32.9063,
5.8984

 20.3268, 33.4915,
7.0003

 21.7814, 34.2031,
8.8002

 23.5330, 35.0505,
11.3891

 25.6014, 36.0425,
14.8443

■ 28.0045, 37.1867,
19.2340

■ 30.7585, 38.4901,
24.6194

■ 33.8785, 39.9593,
31.0566

■ 37.3786, 41.6004,
38.5976

Harmonies

Analogous

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



26.7787, 32.4284, 2.1412



18.1978, 32.4284, 5.3002



13.8960, 32.4284, 17.7806

Triad

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



18.1978, 32.4284, 5.3002



23.8630, 32.4284, 140.0722



59.1725, 32.4284, 24.5172

Complementary

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



18.1978, 32.4284, 5.3002



13.5485, 6.0795, 41.5355

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.



57.8065, 32.4284, 61.6897



18.1978, 32.4284, 5.3002



35.2536, 32.4284, 146.5664

Square

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



18.1978, 32.4284, 5.3002



16.5374, 32.4284, 97.4518



48.2453, 32.4284, 111.8265



51.6028, 32.4284, 7.5238

Rectangle

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



18.1978, 32.4284, 5.3002



13.1539, 32.4284, 36.0902



48.2453, 32.4284, 111.8265



59.7834, 32.4284, 34.5392

Sweetspot

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



18.1985, 32.4298, 5.3009



55.4994, 69.6713, 44.0794



22.7235, 18.8667, 2.4445



11.5688, 14.8820, 8.6429



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.



18.1985, 32.4298, 5.3009



32.7606, 58.6885, 9.6014



15.6102, 31.0858, 5.6176



8.7072, 9.6541, 9.0570



13.4144, 23.8254, 3.8918



0.4890, 0.7842, 0.1256

Inverse Universe

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



13.5485, 6.0795, 41.5355



24.3062, 10.8884, 75.3159



24.3684, 11.8161, 34.8711



8.5072, 8.4700, 10.6928



10.0072, 4.4947, 30.4771



0.3791, 0.1745, 0.9619

Previews

White Background



This preview shows how the XYZ color 18.1978, 32.4284, 5.3002 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 18.1978, 32.4284, 5.3002 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 18.1978, 32.4284, 5.3002

Background



This preview shows how black text looks on a background with the XYZ color 18.1978, 32.4284, 5.3002.



This preview shows how white text looks on a background with the XYZ color 18.1978, 32.4284,

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

18.1978, 32.4284, 5.3002

Protanopia

28.7892, 31.9954, 4.6584

Deuteranopia

32.4516, 31.7218, 6.1628



Tritanopia

26.4668, 32.4346, 46.4605

Trichromacy



Original Color

18.1978, 32.4284, 5.3002



Protanomaly

23.0737, 31.0749, 4.7819



Deuteranomaly

24.4478, 30.2324, 5.4111



Tritanomaly

21.1997, 31.3712, 20.5607

Monochromacy



Original Color

18.1978, 32.4284, 5.3002



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.3651, 23.5899, 11.2275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1978, 32.4284, 5.3002 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(72, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(72, 176, 0)  
}
```

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(72, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 176, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.1978, 32.4284, 5.3002 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(72, 176, 0) }
```


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

```
.border{ border-color:rgb(72, 176, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 176, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(72, 176, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.1978, 32.4284, 5.3002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 176, 0) }
```

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

```
.background{ background-color: rgb(72, 176,  
0) }
```

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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