

Converting Colors

XYZ(18.4895, 33.0134, 18.2340)

Have a look what the booklet for
XYZ(18.4895, 33.0134, 18.2340)
contains.

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Color

**XYZ(18.4061, 32.8394,
18.2005)**

Conversions

Conversions Part 1

Format	Color
Hex	03B267
RGB	3, 178, 103
RGB Percent	1%, 70%, 40%
CMY	0.9882, 0.3019, 0.5961
CMYK	0.98, 0.00, 0.42, 0.30
HSL	154°, 97%, 35%
HSV	154°, 98%, 70%
XYZ	18.4061, 32.8394, 18.2005
YIQ	117.1250, -80.2250, -60.4250

Conversions

Conversions Part 2

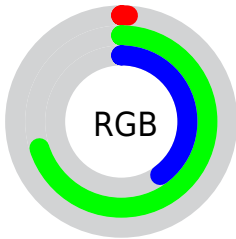
Format	Color
RYB	3, 114, 178
Decimal	242279
CIELab	64.03, -55.68, 27.81
CIELCh	64, 62.244, 153.460
Yxy	32.8394, 0.2650, 0.4729
Android (android.graphics.Color)	4278432359 (0xFF03B267)
YUV	117.1250, -6.9636, -100.0876
Hunter-Lab	57.3057, -42.9522, 21.2832

Details

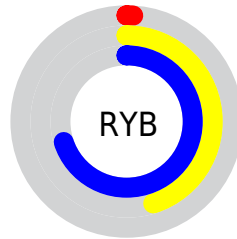
The XYZ color **18.4061, 32.8394, 18.2005** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **19.7689, 10.0808, 8.1133**, and the grayscale version is **16.9872, 17.8719, 19.4625**.

A 20% lighter version of the original color is **40.3440, 64.2161, 41.2789**, and **7.8972, 14.6911, 6.0339** is the 20% darker color. If you saturate the color by 10%, you get **18.3050, 32.7956, 17.8612**, and if you desaturate by 10%, it is **19.0752, 33.1389, 20.3237**.

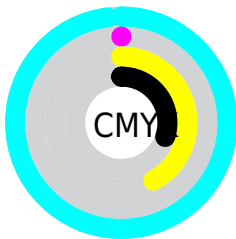
Distribution



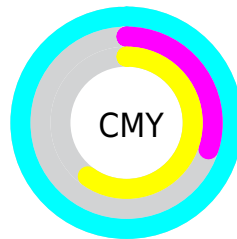
- Red (1%)
- Green (70%)
- Blue (40%)



- Red (1%)
- Yellow (45%)
- Blue (70%)



- Cyan (98%)
- Magenta (0%)
- Yellow (42%)
- Black (30%)



- Cyan (99%)
- Magenta (30%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4061, 32.8394, 18.2005 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 18.4061, 32.8394, 18.2005 by changing the saturation by 10% instead.

■ 18.4061, 32.8394,
18.2005

■ 18.4061, 32.8394,
18.2005

236.1517,
314.9254, 254.2727

■ 11.3434, 22.0034,
10.9231

■ 40.2528, 64.1247,
41.1972

■ 6.3673, 13.8594,
5.9016

■ 55.7675, 85.3429,
57.7536

■ 3.1124, 8.0230,
2.7175

■ 74.8302, 110.7905,
78.2401

■ 1.2135, 4.1096,
0.9522

■ 97.8063, 140.8521,
103.0752

■ 0.1170, 1.7351,
0.0000

■ 125.0611,
175.9120, 132.6775

■ 0.0000, 0.4462,
0.0000

■ 156.9601,

■ 0.0000, 0.0000,

216.3546, 167.4655

0.0000

193.8685,
262.5643, 207.8577

■ 18.4061, 32.8394,
18.2005

■ 18.4061, 32.8394,
18.2005

■ 18.3050, 32.7956,
17.8612

■ 19.0752, 33.1389,
20.3237

■ 20.0285, 33.5799,
22.6467

■ 21.3336, 34.1981,
25.1777

■ 23.0307, 35.0140,
27.9230

■ 25.1543, 36.0453,
30.8884

■ 27.7348, 37.3076,
34.0795

■ 30.7997, 38.8151,
37.5015

■ 34.3745, 40.5807,
41.1593

■ 38.4826, 42.6165,
45.0580

Harmonies

Analogous

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



22.7933, 32.8394, 8.6738



18.4061, 32.8394, 18.2005



17.2029, 32.8394, 38.7570

Triad

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



18.4061, 32.8394, 18.2005



32.2437, 32.8394, 109.0695



47.5370, 32.8394, 15.1626

Complementary

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



18.4061, 32.8394, 18.2005



19.7689, 10.0808, 8.1133

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.



51.2979, 32.8394, 32.9150



18.4061, 32.8394, 18.2005



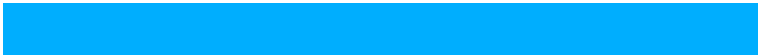
41.4860, 32.8394, 93.2240

Square

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



18.4061, 32.8394, 18.2005



24.2557, 32.8394, 98.8660



48.8996, 32.8394, 62.0284



39.3874, 32.8394, 7.5868

Rectangle

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



18.4061, 32.8394, 18.2005



18.1375, 32.8394, 58.6870



48.8996, 32.8394, 62.0284



49.4192, 32.8394, 19.7450

Sweetspot

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



18.4069, 32.8407, 18.2013



55.1413, 70.0363, 67.2422



19.1486, 33.5040, 5.5441



11.6823, 15.2535, 14.3102



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.



18.4069, 32.8407, 18.2013



33.0764, 59.4237, 31.7707



21.7714, 30.6289, 46.8856



8.5856, 9.5687, 10.0775



13.1290, 23.4776, 12.9479



0.4416, 0.7501, 0.5576

Inverse Universe

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



19.7689, 10.0808, 8.1133



35.5689, 18.0737, 13.5325



18.5435, 9.8045, 1.0015



8.6425, 8.5637, 9.6158



14.1077, 7.1606, 5.7273



0.4733, 0.2371, 0.3353

Previews

White Background



This preview shows how the XYZ color 18.4061, 32.8394, 18.2005 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 18.4061, 32.8394, 18.2005 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 18.4061, 32.8394, 18.2005

Background



This preview shows how black text looks on a background with the XYZ color 18.4061, 32.8394, 18.2005.



This preview shows how white text looks on a background with the XYZ color 18.4061, 32.8394,

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

18.4061, 32.8394, 18.2005

Protanopia

29.7244, 32.2442, 15.2468

Deuteranopia

32.9328, 32.3729, 19.2647



Tritanopia

24.8114, 32.8772, 49.2942

Trichromacy



Original Color

18.4061, 32.8394, 18.2005



Protanomaly

21.4392, 30.2456, 16.0173



Deuteranomaly

22.5232, 29.7094, 18.4573



Tritanomaly

21.4571, 32.2972, 35.2401

Monochromacy



Original Color

18.4061, 32.8394, 18.2005



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.1377, 21.1716, 18.6179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4061, 32.8394, 18.2005 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(3, 178, 103)` looks like.

```
.text, #text, p{  
    color:rgb(3, 178, 103)  
}
```

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(3, 178, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 178, 103) }
```

Border

The CSS property to change the border of an element to XYZ 18.4061, 32.8394, 18.2005 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(3, 178, 103) }
```


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

```
.border{ border-color:rgb(3, 178, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 178, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 178, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 178, 103);  
box-shadow:4px 4px 4px 4px rgb(3, 178,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4061, 32.8394, 18.2005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 178, 103) }
```

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

```
.background{ background-color: rgb(3, 178,  
103) }
```

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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