

Converting Colors

XYZ(20.2126, 36.5178, 18.7808)

Have a look what the booklet for
XYZ(20.2126, 36.5178, 18.7808)
contains.

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Color

**XYZ(20.2185, 36.5199,
18.8154)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00BB67 |
| RGB | 0, 187, 103 |
| RGB Percent | 0%, 73%, 40% |
| CMY | 1.0000, 0.2667, 0.5961 |
| CMYK | 1.00, 0.00, 0.45, 0.27 |
| HSL | 153°, 100%, 37% |
| HSV | 153°, 100%, 73% |
| XYZ | 20.2185, 36.5199, 18.8154 |
| YIQ | 121.5110, -84.4880, -65.7680 |

Conversions

Conversions Part 2

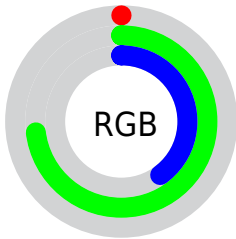
| Format | Color |
|-------------------------------------|--|
| RYB | 0, 121, 187 |
| Decimal | 47975 |
| CIELab | 66.92, -58.92, 31.56 |
| CIELCh | 67, 66.839, 151.826 |
| Yxy | 36.5199, 0.2676, 0.4834 |
| Android (android.graphics.Color) | 4278238055 (0xFF00BB67) |
| YUV | 121.5110, -9.1259, -106.5651 |
| Hunter-Lab | 60.4317, -46.0351, 23.8423 |

Details

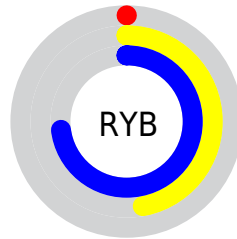
The XYZ color **20.2185, 36.5199, 18.8154** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **22.0951, 11.2057, 9.3882**, and the grayscale version is **18.3894, 19.3471, 21.0689**.

A 20% lighter version of the original color is **43.1968, 69.6093, 42.1696**, and **8.9171, 16.7689, 6.2568** is the 20% darker color. If you saturate the color by 10%, you get **20.2191, 36.5212, 18.8150**, and if you desaturate by 10%, it is **20.9254, 36.8341, 21.1623**.

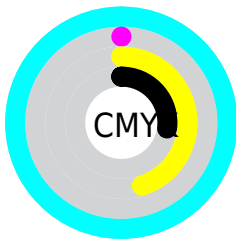
Distribution



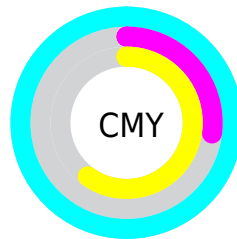
- Red (0%)
- Green (73%)
- Blue (40%)



- Red (0%)
- Yellow (47%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2185, 36.5199, 18.8154 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 20.2185, 36.5199, 18.8154 by changing the saturation by 10% instead.

■ 20.2185, 36.5199,
18.8154

■ 20.2185, 36.5199,
18.8154

245.9066,
331.2273, 257.8164

■ 12.6632, 24.8360,
11.3615

■ 43.2844, 69.8338,
42.2545

■ 7.2724, 15.9549,
6.1933

■ 59.5256, 92.2325,
59.0767

■ 3.6809, 9.4922,
2.8923

■ 79.3928, 118.9717,
79.8589

■ 1.5232, 5.0636,
1.0399

■ 103.2514,
150.4356, 105.0194

■ 0.3416, 2.2846,
0.0000

■ 131.4668,
187.0088, 134.9769

■ 0.0000, 0.7656,
0.0000

■ 164.4042,

■ 0.0000, 0.0000,

229.0755, 170.1499

0.0000

202.4290,
277.0202, 210.9569

■ 20.2185, 36.5199,
18.8154

■ 20.2185, 36.5199,
18.8154

■ 20.2191, 36.5212,
18.8150

■ 20.9254, 36.8341,
21.1623

■ 21.9270, 37.2942,
23.7497

■ 23.3178, 37.9498,
26.5886

■ 25.1450, 38.8251,
29.6872

■ 27.4484, 39.9404,
33.0527

■ 30.2635, 41.3140,
36.6923

■ 33.6219, 42.9621,
40.6126

■ 37.5529, 44.8995,
44.8201

■ 42.0833, 47.1401,
49.3208

Harmonies

Analogous

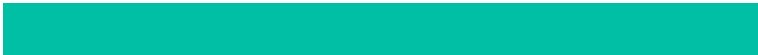
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.4209, 36.5199, 8.7076



20.2185, 36.5199, 18.8154



18.6580, 36.5199, 41.5673

Triad

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



20.2185, 36.5199, 18.8154



35.3352, 36.5199, 125.6177



54.0264, 36.5199, 17.0079

Complementary

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



20.2185, 36.5199, 18.8154



22.0951, 11.2057, 9.3882

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.



58.0410, 36.5199, 38.0136



20.2185, 36.5199, 18.8154



46.0268, 36.5199, 108.4708

Square

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



20.2185, 36.5199, 18.8154



26.3040, 36.5199, 111.9767



54.8639, 36.5199, 72.3393



44.7420, 36.5199, 8.0779

Rectangle

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



20.2185, 36.5199, 18.8154



19.5894, 36.5199, 64.3129



54.8639, 36.5199, 72.3393



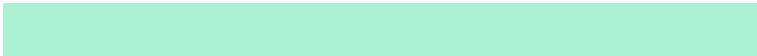
56.1101, 36.5199, 22.4237

Sweetspot

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



20.2194, 36.5214, 18.8162



59.8959, 76.7853, 72.3779



21.4413, 37.4341, 6.0957



12.6067, 16.6228, 15.2725



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.2194, 36.5214, 18.8162



36.0898, 65.3585, 33.0584



24.8216, 35.2911, 52.5191



9.6227, 10.7352, 11.2627



13.9674, 25.1773, 13.1571



0.5796, 0.9992, 0.6867

Inverse Universe

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



22.0951, 11.2057, 9.3882



39.4546, 20.0218, 16.2034



20.5959, 10.7684, 0.9933



9.7035, 9.6057, 10.8277



15.2583, 7.7345, 6.6536



0.6307, 0.3162, 0.4343

Previews

White Background



This preview shows how the XYZ color 20.2185, 36.5199, 18.8154 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 20.2185, 36.5199, 18.8154 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 20.2185, 36.5199, 18.8154

Background



This preview shows how black text looks on a background with the XYZ color 20.2185, 36.5199, 18.8154.



This preview shows how white text looks on a background with the XYZ color 20.2185, 36.5199,

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

20.2185, 36.5199, 18.8154

Protanopia

33.0722, 35.9959, 15.7945

Deuteranopia

36.5829, 35.9278, 20.0456



Tritanopia

27.6519, 36.5080, 54.8795

Trichromacy



Original Color

20.2185, 36.5199, 18.8154



Protanomaly

23.5306, 33.4996, 16.5351



Deuteranomaly

24.6939, 32.9311, 19.2422



Tritanomaly

23.8641, 36.1088, 38.5128

Monochromacy



Original Color

20.2185, 36.5199, 18.8154



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.5153, 23.4153, 19.8688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2185, 36.5199, 18.8154 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, 187, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 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(0, 187, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 103) }
```

Border

The CSS property to change the border of an element to XYZ 20.2185, 36.5199, 18.8154 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, 187, 103) }
```


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

```
.border{ border-color:rgb(0, 187, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 187, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2185, 36.5199, 18.8154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 103) }
```

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

```
.background{ background-color: rgb(0, 187,  
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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