

Converting Colors

XYZ(20.3066, 36.5595, 19.0831)

Have a look what the booklet for
XYZ(20.3066, 36.5595, 19.0831)
contains.

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Color

**XYZ(20.3066, 36.5595,
19.0831)**

Conversions

Conversions Part 1

Format	Color
Hex	03BB68
RGB	3, 187, 104
RGB Percent	1%, 73%, 41%
CMY	0.9882, 0.2667, 0.5921
CMYK	0.98, 0.00, 0.44, 0.27
HSL	153°, 97%, 37%
HSV	153°, 98%, 73%
XYZ	20.3066, 36.5595, 19.0831
YIQ	122.5220, -83.0210, -64.8210

Conversions

Conversions Part 2

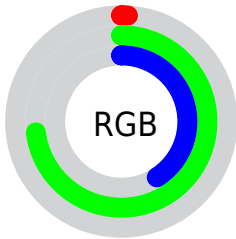
Format	Color
RYB	3, 122, 187
Decimal	244584
CIELab	66.95, -58.62, 31.08
CIELCh	67, 66.348, 152.063
Yxy	36.5595, 0.2674, 0.4814
Android (android.graphics.Color)	4278434664 (0xFF03BB68)
YUV	122.5220, -9.1313, -104.8208
Hunter-Lab	60.4645, -45.8647, 23.6127

Details

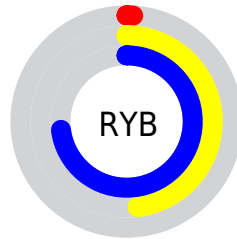
The XYZ color **20.3066, 36.5595, 19.0831** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **22.2073, 11.3027, 9.8184**, and the grayscale version is **18.7199, 19.6948, 21.4476**.

A 20% lighter version of the original color is **43.2812, 69.6431, 42.6138**, and **8.9409, 16.7784, 6.3817** is the 20% darker color. If you saturate the color by 10%, you get **20.2013, 36.5141, 18.7213**, and if you desaturate by 10%, it is **21.0447, 36.8890, 21.4686**.

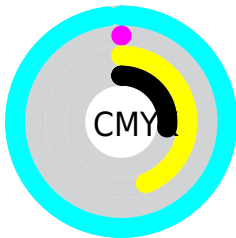
Distribution



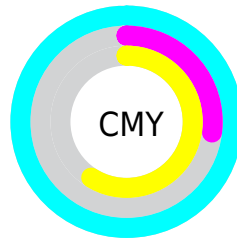
- Red (1%)
- Green (73%)
- Blue (41%)



- Red (1%)
- Yellow (48%)
- Blue (73%)



- Cyan (98%)
- Magenta (0%)
- Yellow (44%)
- Black (27%)



- Cyan (99%)
- Magenta (27%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3066, 36.5595, 19.0831 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 20.3066, 36.5595, 19.0831 by changing the saturation by 10% instead.

■ 20.3066, 36.5595,
19.0831

■ 20.3066, 36.5595,
19.0831

246.3722,
331.3994, 259.3451

■ 12.7277, 24.8666,
11.5529

■ 43.4307, 69.8948,
42.7130

■ 7.3170, 15.9777,
6.3212

■ 59.7065, 92.3059,
59.6499

■ 3.7092, 9.5084,
2.9694

■ 79.6120, 119.0587,
80.5594

■ 1.5390, 5.0742,
1.0790

■ 103.5125,
150.5374, 105.8600

■ 0.3521, 2.2909,
0.0000

■ 131.7735,
187.1264, 135.9704

■ 0.0000, 0.7689,
0.0000

■ 164.7602,

■ 0.0000, 0.0000,

229.2101, 171.3090

0.0000

202.8379,
277.1730, 212.2944

■ 20.3066, 36.5595,
19.0831

■ 20.3066, 36.5595,
19.0831

■ 20.2013, 36.5141,
18.7213

■ 21.0447, 36.8890,
21.4686

■ 22.1057, 37.3789,
24.0985

■ 23.5645, 38.0686,
26.9832

■ 25.4668, 38.9815,
30.1305

■ 27.8518, 40.1378,
33.5480

■ 30.7540, 41.5552,
37.2427

■ 34.2049, 43.2497,
41.2212

■ 38.2331, 45.2360,
45.4900

■ 42.8654, 47.5278,
50.0554

Harmonies

Analogous

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



25.4576, 36.5595, 8.8951



20.3066, 36.5595, 19.0831



18.7795, 36.5595, 41.8347

Triad

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



20.3066, 36.5595, 19.0831



35.4497, 36.5595, 124.8137



53.8570, 36.5595, 17.0447

Complementary

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



20.3066, 36.5595, 19.0831



22.2073, 11.3027, 9.8184

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.



57.8888, 36.5595, 37.8461



20.3066, 36.5595, 19.0831



46.0631, 36.5595, 107.6407

Square

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



20.3066, 36.5595, 19.0831



26.4504, 36.5595, 111.5577



54.7949, 36.5595, 71.8151



44.6231, 36.5595, 8.1809

Rectangle

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



20.3066, 36.5595, 19.0831



19.7265, 36.5595, 64.4553



54.7949, 36.5595, 71.8151



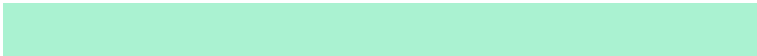
55.9380, 36.5595, 22.4121

Sweetspot

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



20.3075, 36.5610, 19.0839



59.8787, 76.7785, 72.2877



21.8954, 37.6663, 6.2029



12.6025, 16.6211, 15.2505



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.



20.3075, 36.5610, 19.0839



36.0579, 65.3457, 32.8908



25.5052, 36.6024, 52.7362



9.6220, 10.7349, 11.2587



13.9552, 25.1724, 13.0926



0.5792, 0.9990, 0.6843

Inverse Universe

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



22.2073, 11.3027, 9.8184



39.4794, 20.0318, 16.3338



20.6101, 10.7704, 1.0792



9.7043, 9.6060, 10.8316



15.2679, 7.7383, 6.7045



0.6310, 0.3163, 0.4363

Previews

White Background



This preview shows how the XYZ color 20.3066, 36.5595, 19.0831 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 20.3066, 36.5595, 19.0831 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

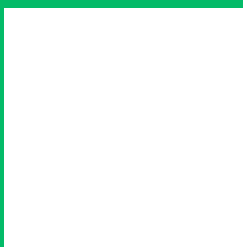
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3066, 36.5595, 19.0831

Background



This preview shows how black text looks on a background with the XYZ color 20.3066, 36.5595, 19.0831.



This preview shows how white text looks on a background with the XYZ color 20.3066, 36.5595,

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

20.3066, 36.5595, 19.0831

Protanopia

33.0722, 35.9959, 15.7945

Deuteranopia

36.6383, 35.9500, 20.3372



Tritanopia

27.6519, 36.5080, 54.8795

Trichromacy



Original Color

20.3066, 36.5595, 19.0831



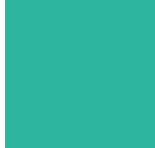
Protanomaly

23.7069, 33.5851, 16.7884



Deuteranomaly

24.8912, 33.0266, 19.5309



Tritanomaly

23.9086, 36.1318, 38.5149

Monochromacy



Original Color

20.3066, 36.5595, 19.0831



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.6557, 23.4810, 20.1774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3066, 36.5595, 19.0831 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, 187, 104)` looks like.

```
.text, #text, p{  
    color:rgb(3, 187, 104)  
}
```

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, 187, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 187, 104) }
```

Border

The CSS property to change the border of an element to XYZ 20.3066, 36.5595, 19.0831 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, 187, 104) }
```


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

```
.border{ border-color:rgb(3, 187, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 187, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 187, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 187, 104);  
box-shadow:4px 4px 4px 4px rgb(3, 187,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3066, 36.5595, 19.0831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 187, 104) }
```

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

```
.background{ background-color: rgb(3, 187,  
104) }
```

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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