

Converting Colors

XYZ(19.6292, 35.1437, 19.2284)

Have a look what the booklet for
XYZ(19.6292, 35.1437, 19.2284)
contains.

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Color

**XYZ(19.6903, 35.3009,
19.1406)**

Conversions

Conversions Part 1

Format	Color
Hex	00B869
RGB	0, 184, 105
RGB Percent	0%, 72%, 41%
CMY	1.0000, 0.2784, 0.5882
CMYK	1.00, 0.00, 0.43, 0.28
HSL	154°, 100%, 36%
HSV	154°, 100%, 72%
XYZ	19.6903, 35.3009, 19.1406
YIQ	119.9780, -84.3050, -63.5770

Conversions

Conversions Part 2

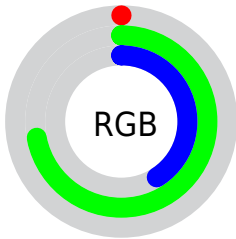
Format	Color
RYB	0, 117, 184
Decimal	47209
CIELab	65.98, -57.52, 29.31
CIELCh	66, 64.558, 152.997
Yxy	35.3009, 0.2656, 0.4762
Android (android.graphics.Color)	4278237289 (0xFF00B869)
YUV	119.9780, -7.3842, -105.2207
Hunter-Lab	59.4146, -44.8196, 22.4897

Details

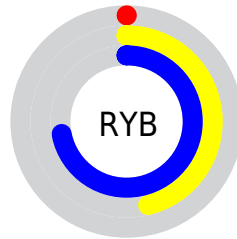
The XYZ color **19.6903, 35.3009, 19.1406** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **21.1798, 10.7557, 8.3592**, and the grayscale version is **17.8893, 18.8209, 20.4960**.

A 20% lighter version of the original color is **42.3650, 67.8317, 42.7583**, and **8.5641, 15.9860, 6.3756** is the 20% darker color. If you saturate the color by 10%, you get **19.6908, 35.3021, 19.1401**, and if you desaturate by 10%, it is **20.3735, 35.6049, 21.3928**.

Distribution



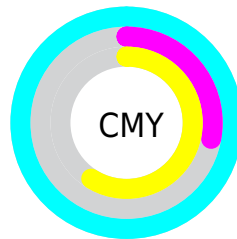
- Red (0%)
- Green (72%)
- Blue (41%)



- Red (0%)
- Yellow (46%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.6903, 35.3009, 19.1406 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 19.6903, 35.3009, 19.1406 by changing the saturation by 10% instead.


 19.6903, 35.3009,
19.1406


 19.6903, 35.3009,
19.1406


243.0992,
325.8945, 259.6724


 12.2771, 23.8948,
11.5941

 42.4053, 67.9516,
42.8114


 7.0062, 15.2556,
6.3488

 58.4377, 89.9650,
59.7728


 3.5123, 8.9989,
2.9861


 78.0739, 116.2830,
80.7095

 1.4301, 4.7405,
1.0875

 101.6793,
147.2898, 106.0401

 0.2775, 2.0958,
0.0000

 129.6191,
183.3700, 136.1832

 0.0000, 0.6623,
0.0000

 162.2588,

 0.0000, 0.0000,

224.9079, 171.5572

0.0000

199.9637,
272.2880, 212.5808

■ 19.6903, 35.3009,
19.1406

■ 19.6903, 35.3009,
19.1406

■ 19.6908, 35.3021,
19.1401

■ 20.3735, 35.6049,
21.3928

■ 21.3365, 36.0478,
23.8594

■ 22.6711, 36.6776,
26.5505

■ 24.4225, 37.5176,
29.4729

■ 26.6288, 38.5873,
32.6330

■ 29.3239, 39.9041,
36.0370

■ 32.5381, 41.4836,
39.6905

■ 36.2993, 43.3400,
43.5992

■ 40.6333, 45.4865,
47.7682

Harmonies

Analogous

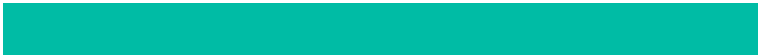
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.5012, 35.3009, 9.0257



19.6903, 35.3009, 19.1406



18.3350, 35.3009, 41.2564

Triad

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



19.6903, 35.3009, 19.1406



34.5231, 35.3009, 118.6645



51.4593, 35.3009, 16.2980

Complementary

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



19.6903, 35.3009, 19.1406



21.1798, 10.7557, 8.3592

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.



55.4705, 35.3009, 35.7484



19.6903, 35.3009, 19.1406



44.5965, 35.3009, 101.6870

Square

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



19.6903, 35.3009, 19.1406



25.8765, 35.3009, 107.0454



52.7485, 35.3009, 67.6501



42.6135, 35.3009, 8.0178

Rectangle

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



19.6903, 35.3009, 19.1406



19.3119, 35.3009, 62.9017



52.7485, 35.3009, 67.6501



53.4865, 35.3009, 21.3144

Sweetspot

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



19.6912, 35.3023, 19.1414



58.6624, 75.0402, 71.5997



20.4276, 35.9765, 5.8678



12.1001, 15.9083, 14.8283



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.6912, 35.3023, 19.1414



35.5714, 63.9435, 34.0517



23.3547, 32.8659, 50.4620



9.0993, 10.1437, 10.6801



13.6063, 24.3434, 13.3804



0.5100, 0.8703, 0.6316

Inverse Universe

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



21.1798, 10.7557, 8.3592



38.2776, 19.4505, 14.5479



19.9028, 10.4605, 0.9704



9.1604, 9.0745, 10.1920



14.6302, 7.4258, 5.9392



0.5469, 0.2742, 0.3733

Previews

White Background



This preview shows how the XYZ color 19.6903, 35.3009, 19.1406 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 19.6903, 35.3009, 19.1406 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 19.6903, 35.3009, 19.1406

Background



This preview shows how black text looks on a background with the XYZ color 19.6903, 35.3009, 19.1406.



This preview shows how white text looks on a background with the XYZ color 19.6903, 35.3009,

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

19.6903, 35.3009, 19.1406

Protanopia

31.9193, 34.6212, 15.8267

Deuteranopia

35.1951, 34.4675, 20.4207



Tritanopia

26.5970, 35.1319, 52.9563

Trichromacy



Original Color

19.6903, 35.3009, 19.1406



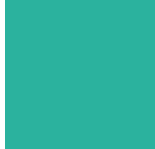
Protanomaly

22.8103, 32.2856, 16.8339



Deuteranomaly

23.8357, 31.6698, 19.6085



Tritanomaly

23.0882, 34.8230, 37.8524

Monochromacy



Original Color

19.6903, 35.3009, 19.1406



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.8975, 22.4192, 19.7091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6903, 35.3009, 19.1406 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, 184, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 105)  
}
```

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, 184, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 105) }
```

Border

The CSS property to change the border of an element to XYZ 19.6903, 35.3009, 19.1406 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, 184, 105) }
```


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

```
.border{ border-color:rgb(0, 184, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6903, 35.3009, 19.1406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 105) }
```

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

```
.background{ background-color: rgb(0, 184,  
105) }
```

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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