

Converting Colors

XYZ(19.6702, 35.9623, 16.9710)

Have a look what the booklet for
XYZ(19.6702, 35.9623, 16.9710)
contains.

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Color

**XYZ(19.6702, 35.9623,
16.9710)**

Conversions

Conversions Part 1

Format	Color
Hex	00BA60
RGB	0, 186, 96
RGB Percent	0%, 73%, 38%
CMY	1.0000, 0.2706, 0.6235
CMYK	1.00, 0.00, 0.48, 0.27
HSL	151°, 100%, 36%
HSV	151°, 100%, 73%
XYZ	19.6702, 35.9623, 16.9710
YIQ	120.1260, -81.9660, -67.4220

Conversions

Conversions Part 2

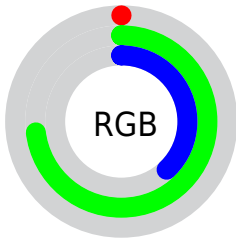
Format	Color
RYB	0, 123, 186
Decimal	47712
CIELab	66.49, -59.81, 34.59
CIELCh	66, 69.097, 149.957
Yxy	35.9623, 0.2709, 0.4953
Android (android.graphics.Color)	4278237792 (0xFF00BA60)
YUV	120.1260, -11.8941, -105.3505
Hunter-Lab	59.9686, -46.3955, 25.1990

Details

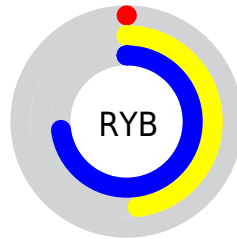
The XYZ color **19.6702, 35.9623, 16.9710** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **22.0964, 11.1780, 10.6679**, and the grayscale version is **17.9499, 18.8847, 20.5655**.

A 20% lighter version of the original color is **42.2198, 68.7261, 39.0572**, and **8.6294, 16.4378, 5.4073** is the 20% darker color. If you saturate the color by 10%, you get **19.6708, 35.9636, 16.9708**, and if you desaturate by 10%, it is **20.3705, 36.2736, 19.2932**.

Distribution



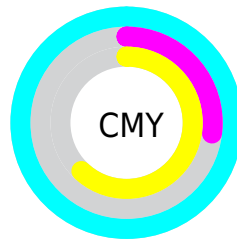
- Red (0%)
- Green (73%)
- Blue (38%)



- Red (0%)
- Yellow (48%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6702, 35.9623, 16.9710 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 19.6702, 35.9623, 16.9710 by changing the saturation by 10% instead.

■ 19.6702, 35.9623,
16.9710

■ 19.6702, 35.9623,
16.9710

242.9918,
328.7957, 247.0435

■ 12.2624, 24.4051,
10.0521

■ 42.3717, 68.9739,
39.0659

■ 6.9961, 15.6344,
5.3274

■ 58.3962, 91.1970,
55.0789

■ 3.5060, 9.2658,
2.3786

■ 78.0236, 117.7443,
74.9604

■ 1.4266, 4.9150,
0.7747

■ 101.6192,
149.0000, 99.1289

■ 0.2751, 2.1975,
0.0000

■ 129.5485,
185.3486, 128.0029

■ 0.0000, 0.7186,
0.0000

■ 162.1768,

■ 0.0000, 0.0000,

227.1745, 162.0010

0.0000

199.8695,
274.8621, 201.5417

■ 19.6702, 35.9623,
16.9710

■ 19.6702, 35.9623,
16.9710

■ 19.6708, 35.9636,
16.9708

■ 20.3705, 36.2736,
19.2932

■ 21.3675, 36.7313,
21.8843

■ 22.7552, 37.3846,
24.7568

■ 24.5804, 38.2574,
27.9202

■ 26.8829, 39.3700,
31.3835

■ 29.6976, 40.7406,
35.1549

■ 33.0564, 42.3850,
39.2424

■ 36.9880, 44.3183,
43.6537

■ 41.5195, 46.5541,
48.3961

Harmonies

Analogous

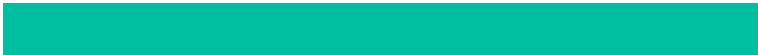
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.1648, 35.9623, 7.6038



19.6702, 35.9623, 16.9710



17.8755, 35.9623, 39.1143

Triad

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



19.6702, 35.9623, 16.9710



34.1662, 35.9623, 128.4425



54.5159, 35.9623, 17.0132

Complementary

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



19.6702, 35.9623, 16.9710



22.0964, 11.1780, 10.6679

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.



58.2315, 35.9623, 39.1994



19.6702, 35.9623, 16.9710



45.1286, 35.9623, 112.3345

Square

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



19.6702, 35.9623, 16.9710



25.1438, 35.9623, 112.2486



54.4956, 35.9623, 75.2414



45.1596, 35.9623, 7.6181

Rectangle

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



19.6702, 35.9623, 16.9710



18.6636, 35.9623, 62.0445



54.4956, 35.9623, 75.2414



56.5412, 35.9623, 22.7293

Sweetspot

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



19.6711, 35.9638, 16.9718



59.5851, 76.6610, 70.7415



22.0744, 37.4466, 6.0647



12.5310, 16.5925, 14.8742



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.



19.6711, 35.9638, 16.9718



35.5300, 65.1346, 30.1110



26.4229, 38.6645, 52.5265



9.0786, 10.1354, 10.5715



13.2715, 24.2095, 11.6174



0.4990, 0.8659, 0.5735

Inverse Universe

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



22.0964, 11.1780, 10.6679



39.9278, 20.2111, 18.6949



20.2506, 10.4397, 0.9480



9.1808, 9.0827, 10.2994



14.9026, 7.5348, 7.3739



0.5567, 0.2781, 0.4248

Previews

White Background



This preview shows how the XYZ color 19.6702, 35.9623, 16.9710 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 19.6702, 35.9623, 16.9710 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 19.6702, 35.9623, 16.9710

Background



This preview shows how black text looks on a background with the XYZ color 19.6702, 35.9623, 16.9710.



This preview shows how white text looks on a background with the XYZ color 19.6702, 35.9623,

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

19.6702, 35.9623, 16.9710

Protanopia

32.5966, 35.5250, 14.1558

Deuteranopia

35.8822, 35.1194, 17.9842



Tritanopia

27.4181, 36.1080, 54.2396

Trichromacy



Original Color

19.6702, 35.9623, 16.9710



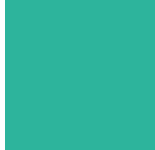
Protanomaly

23.0302, 32.9983, 14.8284



Deuteranomaly

23.9725, 32.0608, 17.2368



Tritanomaly

23.4042, 35.6007, 37.0906

Monochromacy



Original Color

19.6702, 35.9623, 16.9710



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.8230, 22.6307, 18.5731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6702, 35.9623, 16.9710 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, 186, 96)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 96)  
}
```

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, 186, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 96) }
```

Border

The CSS property to change the border of an element to XYZ 19.6702, 35.9623, 16.9710 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, 186, 96) }
```


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

```
.border{ border-color:rgb(0, 186, 96) }
```

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

Here you see how a box with a 4 pixel rgb(0, 186, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 96);  
box-shadow:4px 4px 4px 4px rgb(0, 186, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.6702, 35.9623, 16.9710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 96) }
```

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

```
.background{ background-color: rgb(0, 186,  
96) }
```

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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