

Converting Colors

XYZ(30.8990, 38.9664, 19.5293)

Have a look what the booklet for
XYZ(30.8990, 38.9664, 19.5293)
contains.

XYZ(30.9013, 38.9689, 19.5288)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.9013, 38.9689,
19.5288)**

Conversions

Conversions Part 1

Format	Color
Hex	96B16A
RGB	150, 177, 106
RGB Percent	59%, 69%, 42%
CMY	0.4118, 0.3059, 0.5843
CMYK	0.15, 0.00, 0.40, 0.31
HSL	83°, 31%, 55%
HSV	83°, 40%, 69%
XYZ	30.9013, 38.9689, 19.5288
YIQ	160.8330, 6.6990, -27.8050

Conversions

Conversions Part 2

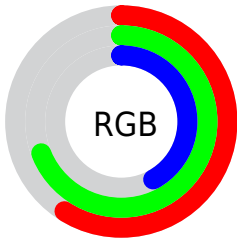
Format	Color
RYB	106, 177, 133
Decimal	9875818
CIELab	68.73, -21.40, 33.29
CIELCh	69, 39.580, 122.733
Yxy	38.9689, 0.3457, 0.4359
Android (android.graphics.Color)	4288065898 (0xFF96B16A)
YUV	160.8330, -27.0327, -9.5005
Hunter-Lab	62.4251, -20.8838, 25.1495

Details

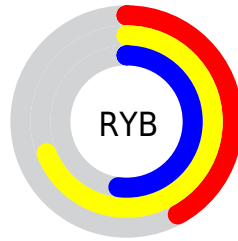
The XYZ color **30.9013, 38.9689, 19.5288** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.7644, 18.4701, 43.9624**, and the grayscale version is **33.9189, 35.6853, 38.8613**.

A 20% lighter version of the original color is **60.4873, 73.7256, 43.3902**, and **12.9832, 17.3074, 6.5273** is the 20% darker color. If you saturate the color by 10%, you get **28.8711, 38.0191, 15.1150**, and if you desaturate by 10%, it is **33.1947, 40.0348, 24.9483**.

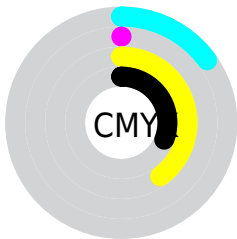
Distribution



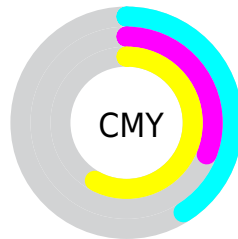
- Red (59%)
- Green (69%)
- Blue (42%)



- Red (42%)
- Yellow (69%)
- Blue (52%)



- Cyan (15%)
- Magenta (0%)
- Yellow (40%)
- Black (31%)



- Cyan (41%)
- Magenta (31%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9013, 38.9689, 19.5288 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 30.9013, 38.9689, 19.5288 by changing the saturation by 10% instead.

■ 30.9013, 38.9689,
19.5288

■ 30.9013, 38.9689,
19.5288

297.9184,
341.7582, 261.8720

■ 20.6752, 26.7355,
11.8723

■ 60.4615, 73.5908,
43.4743

■ 12.9979, 17.3747,
6.5353

■ 80.5264, 96.7481,
60.6004

■ 7.5041, 10.5020,
3.0992

■ 104.6014,
124.3156, 81.7201

■ 3.8284, 5.7331,
1.1455

■ 133.0522,
156.6775, 107.2520

■ 1.6055, 2.6834,
0.0000

166.2438,
194.2184, 137.6146

■ 0.3960, 0.9688,
0.0000

204.5419,

■ 0.0000, 0.0000,

237.3225, 173.2264

0.0000

248.3116,
286.3743, 214.5061

■ 30.9013, 38.9689,
19.5288

■ 30.9013, 38.9689,
19.5288

■ 28.8711, 38.0191,
15.1150

■ 33.1947, 40.0348,
24.9483

■ 27.0881, 37.1750,
11.6422

■ 35.7602, 41.2167,
31.4277

■ 25.5392, 36.4324,
9.0423

■ 38.6099, 42.5206,
39.0203

■ 24.2080, 35.7847,
7.2370

■ 41.7543, 43.9511,
47.7753

■ 23.0758, 35.2243,
6.1338

■ 45.2031, 45.5121,
57.7387

■ 22.1141, 34.7407,
5.5401

■ 48.9658, 47.2075,
68.9540

■ 53.0510, 49.0409,
81.4628

■ 57.4675, 51.0158,
95.3046

■ 60.5191, 52.4541,
101.5427

Harmonies

Analogous

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



36.4675, 38.9689, 16.4634



30.9013, 38.9689, 19.5288



27.3326, 38.9689, 28.5103

Triad

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



30.9013, 38.9689, 19.5288



31.7911, 38.9689, 81.0622



50.4165, 38.9689, 40.8071

Complementary

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



30.9013, 38.9689, 19.5288



22.7644, 18.4701, 43.9624

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.



48.8073, 38.9689, 60.2732



30.9013, 38.9689, 19.5288



37.6160, 38.9689, 87.0436

Square

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



30.9013, 38.9689, 19.5288



27.8042, 38.9689, 63.9448



43.9394, 38.9689, 78.5565



48.1203, 38.9689, 26.3805

Rectangle

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



30.9013, 38.9689, 19.5288



26.3314, 38.9689, 38.2159



43.9394, 38.9689, 78.5565



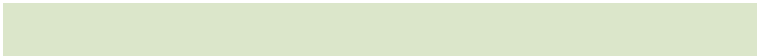
50.3146, 38.9689, 46.9442

Sweetspot

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



30.9023, 38.9706, 19.5296



68.0349, 75.6422, 66.8669



28.9902, 26.9006, 17.3007



14.6018, 16.3278, 14.1076



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



30.9023, 38.9706, 19.5296



52.1494, 68.2968, 27.9941



25.4567, 36.1633, 19.2748



8.8777, 9.7420, 9.0650



16.0908, 25.2052, 4.0170



0.5687, 0.8253, 0.1293

Inverse Universe

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



22.7644, 18.4701, 43.9624



35.5960, 26.5616, 77.7461



29.1406, 21.7572, 44.2608



8.3373, 8.3824, 10.6849



7.5058, 3.2052, 30.3601



0.3023, 0.1349, 0.9584

Previews

White Background



This preview shows how the XYZ color 30.9013, 38.9689, 19.5288 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 30.9013, 38.9689, 19.5288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

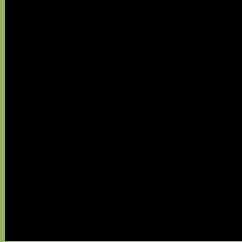
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.9013, 38.9689, 19.5288

Background



This preview shows how black text looks on a background with the XYZ color 30.9013, 38.9689, 19.5288.



This preview shows how white text looks on a background with the XYZ color 30.9013, 38.9689,

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

30.9013, 38.9689, 19.5288

Protanopia

35.7454, 38.6640, 18.1493

Deuteranopia

39.4727, 38.6849, 20.1384



Tritanopia

36.8403, 38.8150, 49.2664

Trichromacy



Original Color

30.9013, 38.9689, 19.5288

Protanomaly

33.8057, 38.7630, 18.5322

Deuteranomaly

35.6879, 38.3216, 19.9839

Tritanomaly

34.1059, 38.5268, 36.2107

Monochromacy



Original Color

30.9013, 38.9689, 19.5288

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.5311, 36.7286, 30.5741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9013, 38.9689, 19.5288 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(150, 177, 106)` looks like.

```
.text, #text, p{  
    color:rgb(150, 177, 106)  
}
```

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(150, 177, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 177, 106) }
```

Border

The CSS property to change the border of an element to XYZ 30.9013, 38.9689, 19.5288 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(150, 177, 106) }
```


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

```
.border{ border-color:rgb(150, 177, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 177, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 177, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 177, 106);  
box-shadow:4px 4px 4px 4px rgb(150, 177,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9013, 38.9689, 19.5288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 177, 106) }
```

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

```
.background{ background-color: rgb(150,  
177, 106) }
```

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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