

Converting Colors

XYZ(17.4984, 31.7833, 12.8129)

Have a look what the booklet for
XYZ(17.4984, 31.7833, 12.8129)
contains.

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Color

**XYZ(17.5690, 31.9369,
12.8279)**

Conversions

Conversions Part 1

Format	Color
Hex	20B050
RGB	32, 176, 80
RGB Percent	13%, 69%, 31%
CMY	0.8745, 0.3098, 0.6863
CMYK	0.82, 0.00, 0.55, 0.31
HSL	140°, 69%, 41%
HSV	140°, 82%, 69%
XYZ	17.5690, 31.9369, 12.8279
YIQ	122.0000, -55.0080, -60.3840

Conversions

Conversions Part 2

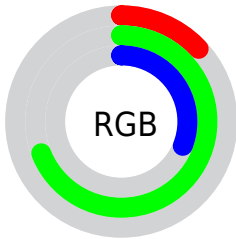
Format	Color
RYB	32, 140, 176
Decimal	2142288
CIELab	63.29, -56.95, 38.66
CIELCh	63, 68.833, 145.827
Yxy	31.9369, 0.2819, 0.5124
Android (android.graphics.Color)	4280332368 (0xFF20B050)
YUV	122.0000, -20.7060, -78.9300
Hunter-Lab	56.5127, -43.4042, 26.1006

Details

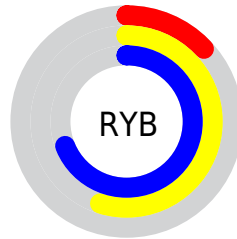
The XYZ color **17.5690, 31.9369, 12.8279** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **22.3184, 11.8223, 21.5292**, and the grayscale version is **18.5779, 19.5454, 21.2850**.

A 20% lighter version of the original color is **38.8292, 62.8001, 31.5478**, and **7.1939, 14.0128, 3.5539** is the 20% darker color. If you saturate the color by 10%, you get **16.7650, 31.5691, 10.7219**, and if you desaturate by 10%, it is **18.7422, 32.4880, 15.3479**.

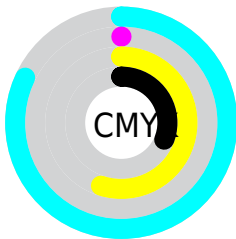
Distribution



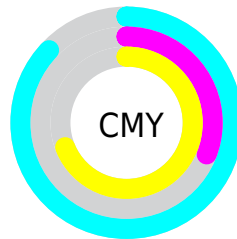
- Red (13%)
- Green (69%)
- Blue (31%)



- Red (13%)
- Yellow (55%)
- Blue (69%)



- Cyan (82%)
- Magenta (0%)
- Yellow (55%)
- Black (31%)





- Cyan (87%)
- Magenta (31%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.5690, 31.9369, 12.8279 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 17.5690, 31.9369, 12.8279 by changing the saturation by 10% instead.


 17.5690, 31.9369,
12.8279


 17.5690, 31.9369,
12.8279


231.5232,
310.8317, 220.9807


 10.7388, 21.3133,
7.1808


 38.8374, 62.7122,
31.6809


 5.9575, 13.3532,
3.4953


 54.0063, 83.6326,
45.7239


 2.8597, 7.6722,
1.3528


 72.6855, 108.7541,
63.4026

 1.0800, 3.8859,
0.1044

 95.2404, 138.4611,
85.1355

 0.0083, 1.6100,
0.0000

 122.0362,
173.1380, 111.3413

 0.0000, 0.3643,
0.0000

153.4384,

 0.0000, 0.0000,

213.1691, 142.4384

0.0000

189.8123,
258.9389, 178.8453

■ 17.5690, 31.9369,
12.8279

■ 17.5690, 31.9369,
12.8279

■ 16.7650, 31.5691,
10.7219

■ 18.7422, 32.4880,
15.3479

■ 16.3067, 31.3641,
9.2869

■ 20.3266, 33.2411,
18.3009

■ 22.3608, 34.2165,
21.7071

■ 24.8782, 35.4310,
25.5850

■ 27.9086, 36.8998,
29.9517

■ 31.4798, 38.6366,
34.8238

■ 35.6170, 40.6544,
40.2168

■ 40.3443, 42.9650,
46.1458

■ 45.6840, 45.5799,
52.6249

Harmonies

Analogous

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



23.0454, 31.9369, 5.6849



17.5690, 31.9369, 12.8279



15.4913, 31.9369, 31.0903

Triad

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



17.5690, 31.9369, 12.8279



29.0401, 31.9369, 117.8710



50.0371, 31.9369, 16.5429

Complementary

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



17.5690, 31.9369, 12.8279



22.3184, 11.8223, 21.5292

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.



52.5673, 31.9369, 38.7374



17.5690, 31.9369, 12.8279



39.0670, 31.9369, 106.7173

Square

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



17.5690, 31.9369, 12.8279



21.1748, 31.9369, 98.8481



48.1980, 31.9369, 73.4074



41.8660, 31.9369, 6.9058

Rectangle

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



17.5690, 31.9369, 12.8279



15.9080, 31.9369, 51.1572



48.1980, 31.9369, 73.4074



51.6401, 31.9369, 22.3251

Sweetspot

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



17.5698, 31.9382, 12.8286



54.6300, 68.8731, 59.8489



25.0546, 35.9339, 6.9822



11.3611, 14.6934, 12.3167



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.



17.5698, 31.9382, 12.8286



29.6470, 56.9180, 16.9279



21.5948, 33.5482, 34.0242



8.5019, 9.5353, 9.6369



11.9887, 23.0215, 6.9436



0.4050, 0.7355, 0.3647

Inverse Universe

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



22.3184, 11.8223, 21.5292



38.3998, 19.1909, 32.4848



19.1958, 10.5733, 5.0862



8.7272, 8.5976, 10.0618



15.5352, 7.7316, 13.2442



0.5145, 0.2536, 0.5521

Previews

White Background



This preview shows how the XYZ color 17.5690, 31.9369, 12.8279 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 17.5690, 31.9369, 12.8279 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 17.5690, 31.9369, 12.8279

Background



This preview shows how black text looks on a background with the XYZ color 17.5690, 31.9369, 12.8279.



This preview shows how white text looks on a background with the XYZ color 17.5690, 31.9369,

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

17.5690, 31.9369, 12.8279

Protanopia

28.5464, 31.2492, 10.6580

Deuteranopia

31.8944, 31.2697, 13.5871



Tritanopia

24.5969, 31.9830, 47.5248

Trichromacy



Original Color

17.5690, 31.9369, 12.8279



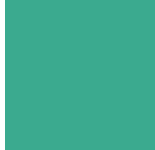
Protanomaly

21.6226, 29.9197, 11.2921



Deuteranomaly

22.5814, 29.0999, 13.0210



Tritanomaly

21.1363, 31.6624, 30.9841

Monochromacy



Original Color

17.5690, 31.9369, 12.8279



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.4467, 22.5314, 17.3921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5690, 31.9369, 12.8279 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(32, 176, 80)` looks like.

```
.text, #text, p{  
    color:rgb(32, 176, 80)  
}
```

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(32, 176, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 176, 80) }
```

Border

The CSS property to change the border of an element to XYZ 17.5690, 31.9369, 12.8279 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(32, 176, 80) }
```


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

```
.border{ border-color:rgb(32, 176, 80) }
```

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

Here you see how a box with a 4 pixel rgb(32, 176, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 176, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 176, 80);  
box-shadow:4px 4px 4px 4px rgb(32, 176,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5690, 31.9369, 12.8279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 176, 80) }
```

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

```
.background{ background-color: rgb(32, 176,  
80) }
```

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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