

Converting Colors

XYZ(18.5454, 32.2494, 6.4192)

Have a look what the booklet for
XYZ(18.5454, 32.2494, 6.4192)
contains.

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Color

**XYZ(18.5322, 32.2852,
6.4173)**

Conversions

Conversions Part 1

Format	Color
Hex	4CAF1D
RGB	76, 175, 29
RGB Percent	30%, 69%, 11%
CMY	0.7020, 0.3137, 0.8862
CMYK	0.57, 0.00, 0.83, 0.31
HSL	101°, 72%, 40%
HSV	101°, 83%, 69%
XYZ	18.5322, 32.2852, 6.4173
YIQ	128.7550, -12.1380, -66.3940

Conversions

Conversions Part 2

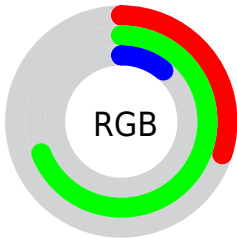
Format	Color
RYB	29, 175, 128
Decimal	5025565
CIELab	63.58, -53.07, 59.37
CIELCh	64, 79.635, 131.795
Yxy	32.2852, 0.3238, 0.5641
Android (android.graphics.Color)	4283215645 (0xFF4CAF1D)
YUV	128.7550, -49.1792, -46.2661
Hunter-Lab	56.8201, -41.2163, 33.0778

Details

The XYZ color **18.5322, 32.2852, 6.4173** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **17.0817, 8.5645, 41.3121**, and the grayscale version is **20.9510, 22.0421, 24.0039**.

A 20% lighter version of the original color is **40.3290, 63.0073, 19.2686**, and **6.8374, 13.6747, 2.2791** is the 20% darker color. If you saturate the color by 10%, you get **17.5170, 31.7811, 5.5434**, and if you desaturate by 10%, it is **19.8458, 32.9309, 7.9479**.

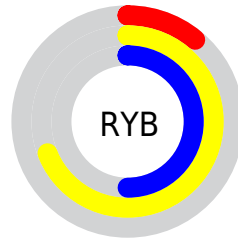
Distribution



Red (30%)

Green (69%)

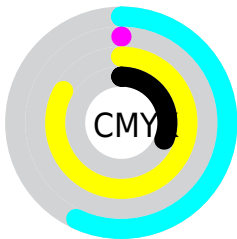
Blue (11%)



Red (11%)

Yellow (69%)

Blue (50%)

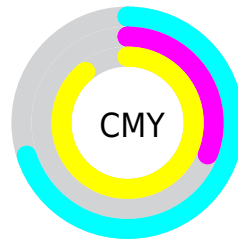


Cyan (57%)

Magenta (0%)

Yellow (83%)

Black (31%)



Cyan (70%)

Magenta (31%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5322, 32.2852, 6.4173 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 18.5322, 32.2852, 6.4173 by changing the saturation by 10% instead.

■ 18.5322, 32.2852,
6.4173

■ 18.5322, 32.2852,
6.4173

236.8419,
312.4164, 172.1730

■ 11.4347, 21.5794,
3.0276

■ 40.4651, 63.2579,
19.2835

■ 6.4295, 13.5482,
1.1087

■ 56.0313, 84.2937,
29.5971

■ 3.1511, 7.8071,
0.0000

■ 75.1511, 109.5415,
43.0557

■ 1.2342, 3.9718,
0.0000

■ 98.1899, 139.3859,
60.0778

■ 0.1331, 1.6578,
0.0000

■ 125.5130,
174.2112, 81.0821

■ 0.0000, 0.3961,
0.0000

■ 157.4858,

■ 0.0000, 0.0000,

214.4018, 106.4870

0.0000

194.4737,
260.3420, 136.7112

■ 18.5322, 32.2852,
6.4173

■ 18.5322, 32.2852,
6.4173

■ 17.5170, 31.7811,
5.5434

■ 19.8458, 32.9309,
7.9479

■ 16.9800, 31.5116,
5.1874

■ 21.4825, 33.7258,
10.2292

■ 23.4665, 34.6818,
13.3423

■ 25.8189, 35.8080,
17.3574

■ 28.5587, 37.1131,
22.3370

■ 31.7037, 38.6048,
28.3382

■ 35.2704, 40.2906,
35.4136

■ 39.2745, 42.1774,
43.6122

■ 43.7305, 44.2719,
52.9800

Harmonies

Analogous

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



26.5214, 32.2852, 2.8309



18.5322, 32.2852, 6.4173



14.5316, 32.2852, 19.2878

Triad

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



18.5322, 32.2852, 6.4173



24.4814, 32.2852, 131.2513



56.7226, 32.2852, 24.0670

Complementary

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



18.5322, 32.2852, 6.4173



17.0817, 8.5645, 41.3121

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.



55.7960, 32.2852, 57.9538



18.5322, 32.2852, 6.4173



35.2655, 32.2852, 135.5613

Square

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



18.5322, 32.2852, 6.4173



17.3508, 32.2852, 93.7628



47.2481, 32.2852, 103.3830



49.5375, 32.2852, 8.1042

Rectangle

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



18.5322, 32.2852, 6.4173



13.8975, 32.2852, 37.1053



47.2481, 32.2852, 103.3830



57.3891, 32.2852, 33.2706

Sweetspot

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



18.5330, 32.2866, 6.4180



55.5874, 68.5729, 48.4418



25.4061, 24.2115, 4.4971



11.9167, 15.0333, 9.9262



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.



18.5330, 32.2866, 6.4180



30.2067, 56.3292, 9.2806



16.4880, 31.1829, 8.5592



8.1382, 9.0598, 8.5332



12.2174, 22.5954, 3.7174



0.3979, 0.6585, 0.1061

Inverse Universe

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



17.0817, 8.5645, 41.3121



27.1660, 12.4037, 73.5992



23.6788, 12.2172, 30.2484



8.0826, 8.0169, 10.0741



11.0237, 5.0428, 29.4369



0.3605, 0.1680, 0.8214

Previews

White Background



This preview shows how the XYZ color 18.5322, 32.2852, 6.4173 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 18.5322, 32.2852, 6.4173 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 18.5322, 32.2852, 6.4173

Background



This preview shows how black text looks on a background with the XYZ color 18.5322, 32.2852, 6.4173.



This preview shows how white text looks on a background with the XYZ color 18.5322, 32.2852,

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

18.5322, 32.2852, 6.4173

Protanopia

28.5591, 31.6150, 5.4077

Deuteranopia

32.3373, 31.6467, 6.8867



Tritanopia

26.4132, 32.1538, 45.8885

Trichromacy



Original Color

18.5322, 32.2852, 6.4173

Protanomaly

23.2369, 30.8783, 5.6551

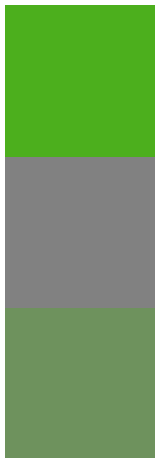
Deuteranomaly

24.8324, 30.4074, 6.4799

Tritanomaly

21.9081, 31.3946, 23.6440

Monochromacy



Original Color

18.5322, 32.2852, 6.4173

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

18.6851, 24.6631, 14.1316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5322, 32.2852, 6.4173 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(76, 175, 29)` looks like.

```
.text, #text, p{  
    color:rgb(76, 175, 29)  
}
```

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(76, 175, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 175, 29) }
```

Border

The CSS property to change the border of an element to XYZ 18.5322, 32.2852, 6.4173 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(76, 175, 29) }
```


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

```
.border{ border-color:rgb(76, 175, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 175, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 175, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 175, 29);  
box-shadow:4px 4px 4px 4px rgb(76, 175,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5322, 32.2852, 6.4173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 175, 29) }
```

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

```
.background{ background-color: rgb(76, 175,  
29) }
```

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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