

Converting Colors

XYZ(19.4737, 29.1259, 13.5399)

Have a look what the booklet for
XYZ(19.4737, 29.1259, 13.5399)
contains.

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Color

**XYZ(19.4645, 29.0156,
13.5915)**

Conversions

Conversions Part 1

Format	Color
Hex	60A257
RGB	96, 162, 87
RGB Percent	38%, 64%, 34%
CMY	0.6235, 0.3647, 0.6588
CMYK	0.41, 0.00, 0.46, 0.36
HSL	113°, 30%, 49%
HSV	113°, 46%, 64%
XYZ	19.4645, 29.0156, 13.5915
YIQ	133.7160, -15.2610, -37.3170

Conversions

Conversions Part 2

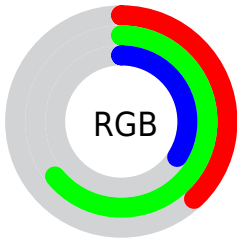
Format	Color
R_{YB}	87, 162, 153
Decimal	6333015
CIE Lab	60.80, -36.30, 32.45
CIE LCh	61, 48.690, 138.202
Yxy	29.0156, 0.3136, 0.4675
Android (android.graphics.Color)	4284523095 (0xFF60A257)
YUV	133.7160, -23.0310, -33.0769
Hunter-Lab	53.8661, -29.7648, 22.7462

Details

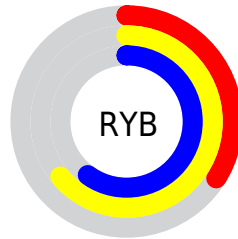
The XYZ color **19.4645, 29.0156, 13.5915** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.0681, 16.1983, 36.0948**, and the grayscale version is **22.6422, 23.8213, 25.9414**.

A 20% lighter version of the original color is **41.9780, 57.9447, 33.0167**, and **6.9384, 11.8119, 3.8337** is the 20% darker color. If you saturate the color by 10%, you get **17.5093, 28.0766, 10.4244**, and if you desaturate by 10%, it is **21.8417, 30.1567, 17.5549**.

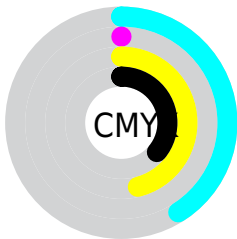
Distribution



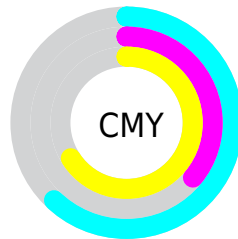
- Red (38%)
- Green (64%)
- Blue (34%)



- Red (34%)
- Yellow (64%)
- Blue (60%)



- Cyan (41%)
- Magenta (0%)
- Yellow (46%)
- Black (36%)



- Cyan (62%)
- Magenta (36%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4645, 29.0156, 13.5915 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 19.4645, 29.0156, 13.5915 by changing the saturation by 10% instead.

■ 19.4645, 29.0156,
13.5915

■ 19.4645, 29.0156,
13.5915

241.8904,
297.2886, 226.0139

■ 12.1124, 19.0926,
7.7016

■ 42.0284, 58.1019,
33.0691

■ 6.8930, 11.7372,
3.8196

■ 57.9708, 78.0340,
47.4938

■ 3.4410, 6.5650,
1.5269

■ 77.5074, 102.0712,
65.6006

■ 1.3910, 3.1916,
0.2378

■ 101.0036,
130.5980, 87.8079

■ 0.2498, 1.2326,
0.0000

■ 128.8246,
163.9987, 114.5344

■ 0.0000, 0.0881,
0.0000

161.3358,

■ 0.0000, 0.0000,

202.6578, 146.1985

0.0000

198.9026,
246.9596, 183.2188

■ 19.4645, 29.0156,
13.5915

■ 19.4645, 29.0156,
13.5915

■ 17.5093, 28.0766,
10.4244

■ 21.8417, 30.1567,
17.5549

■ 15.9493, 27.3245,
7.9981

■ 24.6616, 31.5069,
22.3615

■ 14.7576, 26.7475,
6.2528


■ 27.9459, 33.0774,
28.0566

■ 13.9034, 26.3314,
5.1189


■ 31.7143, 34.8774,
34.6819

■ 13.3478, 26.0581,
4.4985


■ 35.9855, 36.9156,
42.2764

 13.1981, 25.9847,
4.3199

 40.7771, 39.2003,
50.8769

 46.1058, 41.7395,
60.5182

 51.9877, 44.5406,
71.2336

 58.4379, 47.6109,
83.0547

Harmonies

Analogous

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



23.9491, 29.0156, 8.7031



19.4645, 29.0156, 13.5915



17.2988, 29.0156, 24.9891

Triad

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



19.4645, 29.0156, 13.5915



25.1642, 29.0156, 79.4640



40.8299, 29.0156, 21.9089

Complementary

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



19.4645, 29.0156, 13.5915



23.0681, 16.1983, 36.0948

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.



41.2886, 29.0156, 39.2686



19.4645, 29.0156, 13.5915



31.5571, 29.0156, 77.6150

Square

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



19.4645, 29.0156, 13.5915



20.2364, 29.0156, 65.3497



37.6821, 29.0156, 60.9817



36.5109, 29.0156, 12.0823

Rectangle

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



19.4645, 29.0156, 13.5915



17.2018, 29.0156, 36.8305



37.6821, 29.0156, 60.9817



41.4624, 29.0156, 26.8773

Sweetspot

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



19.4652, 29.0168, 13.5921



52.0479, 60.6762, 53.2347



27.8501, 30.8274, 13.4997



11.3888, 13.4838, 11.4300



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.4652, 29.0168, 13.5921



31.5425, 50.8520, 18.5382



19.9176, 29.0946, 20.6360



7.0609, 7.9339, 7.5393



10.4180, 20.4812, 3.4042



0.2407, 0.4416, 0.0725

Inverse Universe

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



23.0681, 16.1983, 36.0948



38.9037, 24.5151, 64.7376



22.6476, 16.2338, 24.6784



7.2803, 7.1589, 8.9012



14.0267, 6.6375, 27.4717



0.3167, 0.1508, 0.5783

Previews

White Background



This preview shows how the XYZ color 19.4645, 29.0156, 13.5915 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4645, 29.0156, 13.5915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

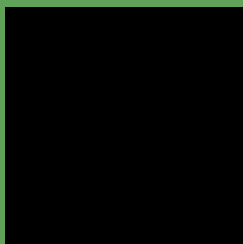
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4645, 29.0156, 13.5915

Background



This preview shows how black text looks on a background with the XYZ color 19.4645, 29.0156, 13.5915.



This preview shows how white text looks on a background with the XYZ color 19.4645, 29.0156,

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

19.4645, 29.0156, 13.5915

Protanopia

26.2613, 28.6254, 11.9257

Deuteranopia

29.0689, 28.4681, 14.0880



Tritanopia

24.7383, 28.8786, 39.8676

Trichromacy



Original Color

19.4645, 29.0156, 13.5915

Protanomaly

23.1061, 28.3994, 12.4474

Deuteranomaly

24.3118, 27.8087, 13.7591

Tritanomaly

22.3477, 28.6472, 28.0185

Monochromacy



Original Color

19.4645, 29.0156, 13.5915

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

20.9299, 25.2239, 20.5952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4645, 29.0156, 13.5915 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(96, 162, 87)` looks like.

```
.text, #text, p{  
    color:rgb(96, 162, 87)  
}
```

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(96, 162, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 162, 87) }
```

Border

The CSS property to change the border of an element to XYZ 19.4645, 29.0156, 13.5915 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(96, 162, 87) }
```


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

```
.border{ border-color:rgb(96, 162, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 162, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 162, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 162, 87);  
box-shadow:4px 4px 4px 4px rgb(96, 162,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4645, 29.0156, 13.5915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 162, 87) }
```

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

```
.background{ background-color: rgb(96, 162,  
87) }
```

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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