

Converting Colors

XYZ(18.5271, 28.3817, 16.4782)

Have a look what the booklet for
XYZ(18.5271, 28.3817, 16.4782)
contains.

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Color

**XYZ(18.6139, 28.5101,
16.5785)**

Conversions

Conversions Part 1

Format	Color
Hex	51A264
RGB	81, 162, 100
RGB Percent	32%, 64%, 39%
CMY	0.6823, 0.3647, 0.6078
CMYK	0.50, 0.00, 0.38, 0.36
HSL	134°, 33%, 48%
HSV	134°, 50%, 64%
XYZ	18.6139, 28.5101, 16.5785
YIQ	130.7130, -28.3740, -36.4540

Conversions

Conversions Part 2

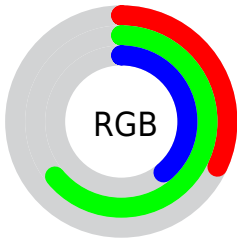
Format	Color
R_{YB}	81, 147, 162
Decimal	5349988
CIE _{Lab}	60.35, -38.72, 24.84
CIE _{LCh}	60, 46.002, 147.324
Yxy	28.5101, 0.2922, 0.4476
Android (android.graphics.Color)	4283540068 (0xFF51A264)
YUV	130.7130, -15.1415, -43.5983
Hunter-Lab	53.3948, -31.2144, 18.9675

Details

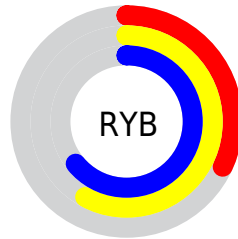
The XYZ color **18.6139, 28.5101, 16.5785** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **22.8015, 15.5499, 27.7872**, and the grayscale version is **21.5311, 22.6524, 24.6685**.

A 20% lighter version of the original color is **40.3904, 57.0110, 38.1536**, and **6.5266, 11.5704, 5.1381** is the 20% darker color. If you saturate the color by 10%, you get **16.8327, 27.6568, 13.5973**, and if you desaturate by 10%, it is **20.8192, 29.5731, 20.0577**.

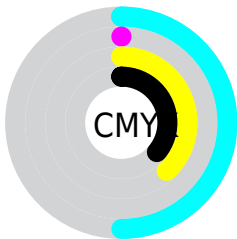
Distribution



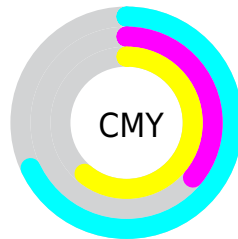
- Red (32%)
- Green (64%)
- Blue (39%)



- Red (32%)
- Yellow (58%)
- Blue (64%)



- Cyan (50%)
- Magenta (0%)
- Yellow (38%)
- Black (36%)



- Cyan (68%)
- Magenta (36%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6139, 28.5101, 16.5785 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 18.6139, 28.5101, 16.5785 by changing the saturation by 10% instead.

■ 18.6139, 28.5101,
16.5785

■ 18.6139, 28.5101,
16.5785

237.2881,
294.8964, 244.6927

■ 11.4940, 18.7105,
9.7757

■ 40.6026, 57.2978,
38.3803

■ 6.4699, 11.4613,
5.1468

■ 56.2021, 77.0548,
54.2163

■ 3.1762, 6.3780,
2.2734

■ 75.3588, 100.8996,
73.9005

■ 1.2476, 3.0763,
0.7163

■ 98.4381, 129.2168,
97.8514

■ 0.1435, 1.1717,
0.0000

■ 125.8053,
162.3906, 126.4876

■ 0.0000, 0.0384,
0.0000

157.8258,

■ 0.0000, 0.0000,

200.8056, 160.2274

0.0000

194.8650,
244.8461, 199.4897

■ 18.6139, 28.5101,
16.5785

■ 18.6139, 28.5101,
16.5785

■ 16.8327, 27.6568,
13.5973

■ 20.8192, 29.5731,
20.0577

■ 15.4452, 26.9956,
11.0894

■ 23.4717, 30.8548,
24.0543

■ 14.4207, 26.5120,
9.0308

■ 26.5957, 32.3681,
28.5890

■ 13.7224, 26.1875,
7.3946

■ 30.2128, 34.1239,
33.6808

■ 13.2708, 25.9817,
6.1494

■ 34.3435, 36.1321,
39.3477

■ 39.0069, 38.4025,
45.6071

■ 44.2212, 40.9439,
52.4755

■ 50.0038, 43.7651,
59.9686

■ 56.3712, 46.8742,
68.1019

Harmonies

Analogous

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



22.2092, 28.5101, 10.1766



18.6139, 28.5101, 16.5785



17.2577, 28.5101, 29.5479

Triad

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



18.6139, 28.5101, 16.5785



26.5709, 28.5101, 76.2221



38.4997, 28.5101, 18.3718

Complementary

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



18.6139, 28.5101, 16.5785



22.8015, 15.5499, 27.7872

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.



40.1084, 28.5101, 32.5869



18.6139, 28.5101, 16.5785



32.6562, 28.5101, 69.8631

Square

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



18.6139, 28.5101, 16.5785



21.4141, 28.5101, 67.2862



37.8331, 28.5101, 52.1371



33.7079, 28.5101, 10.9162

Rectangle

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



18.6139, 28.5101, 16.5785



17.6329, 28.5101, 41.7775



37.8331, 28.5101, 52.1371



39.4585, 28.5101, 22.3249

Sweetspot

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



18.6146, 28.5113, 16.5791



51.2629, 60.2066, 56.1293



25.7516, 32.2847, 12.6591



11.2226, 13.3810, 12.1956



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.



18.6146, 28.5113, 16.5791



30.2344, 50.0527, 24.1213



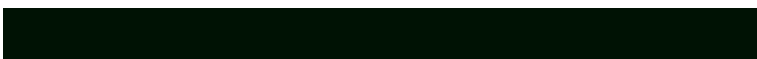
21.0777, 29.4965, 29.5493



7.0505, 7.9210, 7.8776



10.4691, 20.4740, 4.9207



0.2368, 0.4369, 0.1921

Inverse Universe

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



22.8015, 15.5499, 27.7872



38.7016, 23.7604, 46.7275



20.2716, 14.5380, 14.4650



7.2929, 7.1736, 8.5290



14.6221, 7.2049, 15.7327



0.3237, 0.1580, 0.4170

Previews

White Background



This preview shows how the XYZ color 18.6139, 28.5101, 16.5785 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 18.6139, 28.5101, 16.5785 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 18.6139, 28.5101, 16.5785

Background



This preview shows how black text looks on a background with the XYZ color 18.6139, 28.5101, 16.5785.



This preview shows how white text looks on a background with the XYZ color 18.6139, 28.5101,

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

18.6139, 28.5101, 16.5785

Protanopia

26.0058, 28.2092, 14.4302

Deuteranopia

28.5770, 28.1431, 17.2906



Tritanopia

23.3683, 28.4058, 40.3276

Trichromacy



Original Color

18.6139, 28.5101, 16.5785

Protanomaly

22.2312, 27.6449, 15.2306

Deuteranomaly

23.3631, 27.2500, 16.8604

Tritanomaly

21.2538, 28.2911, 29.9317

Monochromacy



Original Color

18.6139, 28.5101, 16.5785

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

19.8732, 24.2128, 21.3954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6139, 28.5101, 16.5785 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(81, 162, 100)` looks like.

```
.text, #text, p{  
    color:rgb(81, 162, 100)  
}
```

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(81, 162, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 162, 100) }
```

Border

The CSS property to change the border of an element to XYZ 18.6139, 28.5101, 16.5785 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(81, 162, 100) }
```


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

```
.border{ border-color:rgb(81, 162, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 162, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 162, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 162, 100);  
box-shadow:4px 4px 4px 4px rgb(81, 162,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6139, 28.5101, 16.5785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 162, 100) }
```

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

```
.background{ background-color: rgb(81, 162,  
100) }
```

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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