

Converting Colors

XYZ(16.1601, 26.1940, 18.4757)

Have a look what the booklet for
XYZ(16.1601, 26.1940, 18.4757)
contains.

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Color

**XYZ(16.1059, 26.1408,
18.3842)**

Conversions

Conversions Part 1

Format	Color
Hex	2F9E6C
RGB	47, 158, 108
RGB Percent	18%, 62%, 42%
CMY	0.8157, 0.3804, 0.5765
CMYK	0.70, 0.00, 0.32, 0.38
HSL	153°, 54%, 40%
HSV	153°, 70%, 62%
XYZ	16.1059, 26.1408, 18.3842
YIQ	119.1110, -50.1060, -39.0820

Conversions

Conversions Part 2

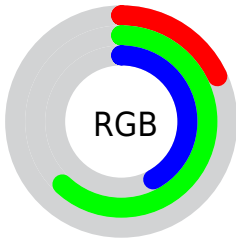
Format	Color
RYB	47, 119, 158
Decimal	3120748
CIELab	58.17, -43.02, 17.34
CIELCh	58, 46.378, 158.046
Yxy	26.1408, 0.2656, 0.4311
Android (android.graphics.Color)	4281310828 (0xFF2F9E6C)
YUV	119.1110, -5.4777, -63.2413
Hunter-Lab	51.1281, -33.2447, 14.4707

Details

The XYZ color **16.1059, 26.1408, 18.3842** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.2755, 10.1657, 12.3616**, and the grayscale version is **17.5984, 18.5149, 20.1628**.

A 20% lighter version of the original color is **36.2028, 53.2524, 41.6284**, and **5.8672, 10.4294, 5.9788** is the 20% darker color. If you saturate the color by 10%, you get **15.1418, 25.6865, 16.4422**, and if you desaturate by 10%, it is **17.3660, 26.7455, 20.5027**.

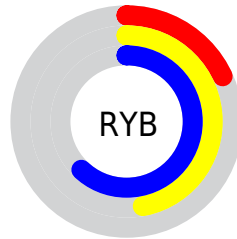
Distribution



Red (18%)

Green (62%)

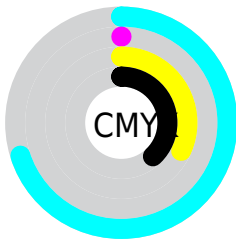
Blue (42%)



Red (18%)

Yellow (47%)

Blue (62%)

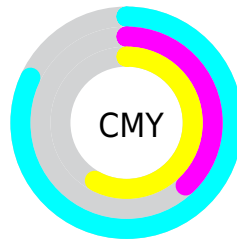


Cyan (70%)

Magenta (0%)

Yellow (32%)

Black (38%)



Cyan (82%)

Magenta (38%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1059, 26.1408, 18.3842 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 16.1059, 26.1408, 18.3842 by changing the saturation by 10% instead.

■ 16.1059, 26.1408,
18.3842

■ 16.1059, 26.1408,
18.3842

223.2239,
283.4726, 255.3362

■ 9.6904, 16.9290,
11.0539

■ 36.3379, 53.5020,
41.5137

■ 5.2549, 10.1839,
5.9885

■ 50.8852, 72.4202,
58.1499

■ 2.4339, 5.5210,
2.7694

■ 68.8738, 95.3427,
78.7252

■ 0.8620, 2.5561,
0.9781

■ 90.6690, 122.6538,
103.6580

■ 0.0000, 0.9046,
0.0000

■ 116.6363,
154.7379, 133.3670

■ 0.0000, 0.0000,
0.0000

147.1410,

191.9795, 168.2707

182.5484,
234.7629, 208.7876

■ 16.1059, 26.1408,
18.3842

■ 16.1059, 26.1408,
18.3842

■ 15.1418, 25.6865,
16.4422

■ 17.3660, 26.7455,
20.5027

■ 14.4409, 25.3637,
14.6695

■ 18.9463, 27.5110,
22.8008

■ 13.9407, 25.1401,
13.0981

■ 20.8708, 28.4501,
25.2838

■ 23.1605, 29.5737,
27.9561

■ 25.8346, 30.8916,
30.8220

■ 28.9110, 32.4129,
33.8856

■ 32.4064, 34.1462,
37.1508

■ 36.3365, 36.0995,
40.6216

■ 40.7163, 38.2805,
44.3017

Harmonies

Analogous

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



18.7600, 26.1408, 10.3775



16.1059, 26.1408, 18.3842



15.6037, 26.1408, 33.0215

Triad

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



16.1059, 26.1408, 18.3842



26.3906, 26.1408, 71.4550



34.3714, 26.1408, 13.3254

Complementary

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



16.1059, 26.1408, 18.3842



17.2755, 10.1657, 12.3616

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.



37.1642, 26.1408, 24.3444



16.1059, 26.1408, 18.3842



32.1237, 26.1408, 60.4788

Square

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



16.1059, 26.1408, 18.3842



21.0188, 26.1408, 67.9299



36.2850, 26.1408, 41.6811



29.1118, 26.1408, 8.3187

Rectangle

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



16.1059, 26.1408, 18.3842



16.4725, 26.1408, 45.6477



36.2850, 26.1408, 41.6811



35.6633, 26.1408, 16.2440

Sweetspot

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



16.1066, 26.1418, 18.3848



46.3148, 55.8012, 55.3497



17.8645, 27.3015, 7.0176



10.1475, 12.4353, 12.1694



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.1066, 26.1418, 18.3848



26.7550, 46.3010, 28.0855



18.9498, 26.2844, 36.4237



6.6956, 7.4590, 7.8316



11.1847, 20.1418, 10.5956



0.2212, 0.3686, 0.3009

Inverse Universe

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



17.2755, 10.1657, 12.3616



29.0322, 15.4432, 16.5483



15.7851, 9.8163, 3.7523



6.7510, 6.6933, 7.5401



12.2278, 6.1957, 5.4506



0.2397, 0.1192, 0.2083

Previews

White Background



This preview shows how the XYZ color 16.1059, 26.1408, 18.3842 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 16.1059, 26.1408, 18.3842 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 16.1059, 26.1408, 18.3842

Background



This preview shows how black text looks on a background with the XYZ color 16.1059, 26.1408, 18.3842.



This preview shows how white text looks on a background with the XYZ color 16.1059, 26.1408,

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

16.1059, 26.1408, 18.3842

Protanopia

23.8792, 25.7557, 15.5172

Deuteranopia

26.0661, 25.5444, 19.1795



Tritanopia

20.1317, 26.0428, 38.6160

Trichromacy



Original Color

16.1059, 26.1408, 18.3842

Protanomaly

19.3592, 24.9618, 16.3681

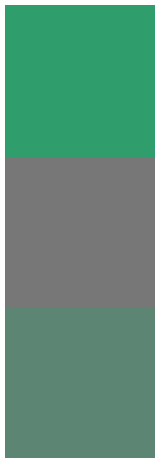
Deuteranomaly

20.2880, 24.4868, 18.6961

Tritanomaly

18.4380, 26.0865, 30.0500

Monochromacy



Original Color

16.1059, 26.1408, 18.3842

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

15.9962, 20.3400, 19.3026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1059, 26.1408, 18.3842 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(47, 158, 108)` looks like.

```
.text, #text, p{  
    color:rgb(47, 158, 108)  
}
```

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(47, 158, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 158, 108) }
```

Border

The CSS property to change the border of an element to XYZ 16.1059, 26.1408, 18.3842 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(47, 158, 108) }
```


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

```
.border{ border-color:rgb(47, 158, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 158, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 158, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 158, 108);  
box-shadow:4px 4px 4px 4px rgb(47, 158,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1059, 26.1408, 18.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 158, 108) }
```

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

```
.background{ background-color: rgb(47, 158,  
108) }
```

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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