

Converting Colors

XYZ(18.6271, 28.4679, 28.8184)

Have a look what the booklet for
XYZ(18.6271, 28.4679, 28.8184)
contains.

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Color

**XYZ(18.6718, 28.5299,
28.9488)**

Conversions

Conversions Part 1

Format	Color
Hex	29A38B
RGB	41, 163, 139
RGB Percent	16%, 64%, 55%
CMY	0.8392, 0.3608, 0.4549
CMYK	0.75, 0.00, 0.15, 0.36
HSL	168°, 60%, 40%
HSV	168°, 75%, 64%
XYZ	18.6718, 28.5299, 28.9488
YIQ	123.7860, -65.0080, -33.3280

Conversions

Conversions Part 2

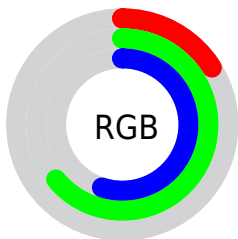
Format	Color
R_{YB}	41, 109, 163
Decimal	2728843
CIE _{Lab}	60.36, -38.50, 3.06
CIE _{LCh}	60, 38.618, 175.456
Y _{xy}	28.5299, 0.2452, 0.3747
Android (android.graphics.Color)	4280918923 (0xFF29A38B)
Y _{UV}	123.7860, 7.5005, -72.6033
Hunter-Lab	53.4134, -31.0749, 5.2556

Details

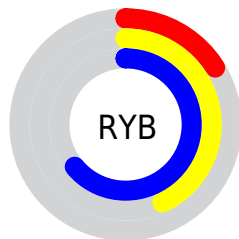
The XYZ color **18.6718, 28.5299, 28.9488** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.8522, 9.7547, 5.9965**, and the grayscale version is **19.0791, 20.0727, 21.8592**.

A 20% lighter version of the original color is **40.7898, 57.5330, 58.8243**, and **7.3791, 11.8731, 11.3540** is the 20% darker color. If you saturate the color by 10%, you get **17.9207, 28.1700, 27.7089**, and if you desaturate by 10%, it is **19.7006, 29.0335, 30.2389**.

Distribution



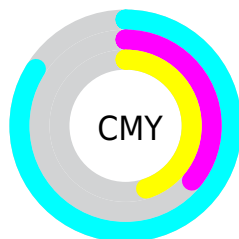
- Red (16%)
- Green (64%)
- Blue (55%)



- Red (16%)
- Yellow (43%)
- Blue (64%)



- Cyan (75%)
- Magenta (0%)
- Yellow (15%)
- Black (36%)



- Cyan (84%)
- Magenta (36%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6718, 28.5299, 28.9488 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 18.6718, 28.5299, 28.9488 by changing the saturation by 10% instead.

■ 18.6718, 28.5299,
28.9488

■ 18.6718, 28.5299,
28.9488

237.6039,
294.9904, 311.0267

■ 11.5360, 18.7255,
18.7968

■ 40.7000, 57.3293,
59.0369

■ 6.4985, 11.4721,
11.3483

■ 56.3230, 77.0932,
79.8102

■ 3.1940, 6.3853,
6.1845

■ 75.5058, 100.9456,
104.9610

■ 1.2572, 3.0808,
2.8870

■ 98.6137, 129.2710,
134.9079

■ 0.1508, 1.1740,
1.0372

■ 126.0122,
162.4538, 170.0693

■ 0.0000, 0.0404,
0.0000

158.0664,

■ 0.0000, 0.0000,

200.8783, 210.8639

0.0000

195.1419,
244.9291, 257.7102

■ 18.6718, 28.5299,
28.9488

■ 18.6718, 28.5299,
28.9488

■ 17.9207, 28.1700,
27.7089

■ 19.7006, 29.0335,
30.2389

■ 17.4081, 27.9317,
26.5151

■ 21.0343, 29.6928,
31.5788

■ 17.1900, 27.8323,
25.9155

■ 22.6996, 30.5222,
32.9707

■ 24.7195, 31.5335,
34.4160

■ 27.1149, 32.7377,
35.9159

■ 29.9052, 34.1446,
37.4717

■ 33.1084, 35.7636,
39.0844

■ 36.7412, 37.6031,
40.7551

■ 40.8197, 39.6716,
42.4848

Harmonies

Analogous

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



19.9904, 28.5299, 17.9996



18.6718, 28.5299, 28.9488



19.3797, 28.5299, 44.3567

Triad

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



18.6718, 28.5299, 28.9488



31.4296, 28.5299, 62.8580



32.8968, 28.5299, 13.5506

Complementary

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



18.6718, 28.5299, 28.9488



16.8522, 9.7547, 5.9965

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.



36.6797, 28.5299, 20.7342



18.6718, 28.5299, 28.9488



35.7627, 28.5299, 49.2844

Square

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



18.6718, 28.5299, 28.9488



26.3677, 28.5299, 67.0564



37.7874, 28.5299, 33.2802



27.8799, 28.5299, 11.0064

Rectangle

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



18.6718, 28.5299, 28.9488



20.9578, 28.5299, 54.9023



37.7874, 28.5299, 33.2802



34.3778, 28.5299, 15.3713

Sweetspot

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



18.6726, 28.5310, 28.9495



49.7100, 59.2083, 64.9897



15.7048, 27.4932, 6.5772



10.8933, 13.1613, 14.4385



78.6606, 82.7571, 90.1225



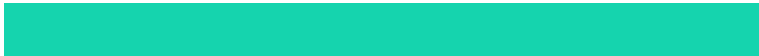
14.0027, 14.7319, 16.0430

Same Dimension

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



18.6726, 28.5310, 28.9495



31.4259, 50.1362, 48.1547



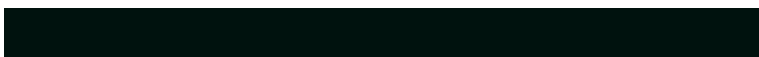
15.0383, 18.1410, 37.3606



7.2161, 7.9873, 8.7497



13.3754, 21.6365, 20.2253



0.2955, 0.4604, 0.5009

Inverse Universe

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



16.8522, 9.7547, 5.9965



28.1019, 14.7995, 5.4644



18.2015, 13.3396, 3.7137



7.1281, 7.1077, 7.6610



11.9556, 6.1383, 1.6910



0.2659, 0.1349, 0.1129

Previews

White Background



This preview shows how the XYZ color 18.6718, 28.5299, 28.9488 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 18.6718, 28.5299, 28.9488 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

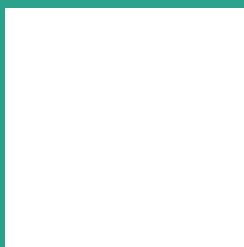
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6718, 28.5299, 28.9488

Background



This preview shows how black text looks on a background with the XYZ color 18.6718, 28.5299, 28.9488.

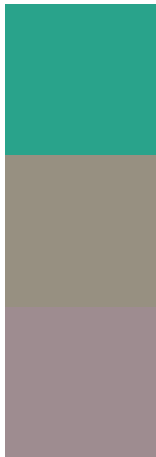


This preview shows how white text looks on a background with the XYZ color 18.6718, 28.5299,

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

18.6718, 28.5299, 28.9488

Protanopia

26.6982, 28.1108, 24.7877

Deuteranopia

28.5127, 28.0389, 30.2948



Tritanopia

21.3812, 28.3238, 42.8682

Trichromacy



Original Color

18.6718, 28.5299, 28.9488

Protanomaly

21.8558, 27.2062, 26.2897

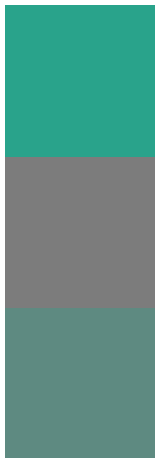
Deuteranomaly

22.5426, 26.7776, 29.5717

Tritanomaly

20.2450, 28.3749, 37.2108

Monochromacy



Original Color

18.6718, 28.5299, 28.9488

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

17.6670, 22.1416, 24.1115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6718, 28.5299, 28.9488 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(41, 163, 139)` looks like.

```
.text, #text, p{  
    color:rgb(41, 163, 139)  
}
```

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(41, 163, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 163, 139) }
```

Border

The CSS property to change the border of an element to XYZ 18.6718, 28.5299, 28.9488 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(41, 163, 139) }
```


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

```
.border{ border-color:rgb(41, 163, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 163, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 163, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 163, 139);  
box-shadow:4px 4px 4px 4px rgb(41, 163,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6718, 28.5299, 28.9488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 163, 139) }
```

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

```
.background{ background-color: rgb(41, 163,  
139) }
```

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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