

Converting Colors

XYZ(18.0979, 25.2886, 28.4618)

Have a look what the booklet for
XYZ(18.0979, 25.2886, 28.4618)
contains.

XYZ(18.0415, 25.1906, 28.3375)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.0415, 25.1906,
28.3375)**

Conversions

Conversions Part 1

Format	Color
Hex	43978B
RGB	67, 151, 139
RGB Percent	26%, 59%, 55%
CMY	0.7372, 0.4078, 0.4549
CMYK	0.56, 0.00, 0.08, 0.41
HSL	171°, 39%, 43%
HSV	171°, 56%, 59%
XYZ	18.0415, 25.1906, 28.3375
YIQ	124.5160, -46.2120, -21.5400

Conversions

Conversions Part 2

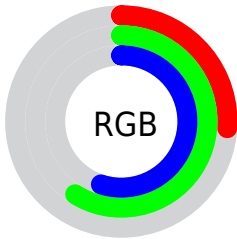
Format	Color
RYB	67, 112, 151
Decimal	4429707
CIELab	57.26, -28.43, -1.38
CIElCh	57, 28.460, 182.780
Yxy	25.1906, 0.2521, 0.3520
Android (android.graphics.Color)	4282619787 (0xFF43978B)
YUV	124.5160, 7.1406, -50.4415
Hunter-Lab	50.1902, -23.6689, 1.6579

Details

The XYZ color **18.0415, 25.1906, 28.3375** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.1817, 11.1587, 8.6988**, and the grayscale version is **19.3190, 20.3251, 22.1340**.

A 20% lighter version of the original color is **39.6118, 52.0860, 57.8350**, and **6.3603, 9.8356, 11.0144** is the 20% darker color. If you saturate the color by 10%, you get **16.9823, 24.6632, 27.4736**, and if you desaturate by 10%, it is **19.3752, 25.8603, 29.2316**.

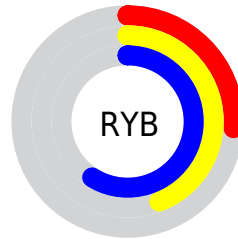
Distribution



Red (26%)

Green (59%)

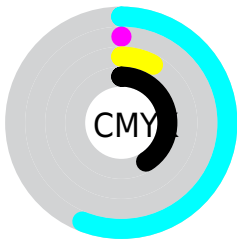
Blue (55%)



Red (26%)

Yellow (44%)

Blue (59%)

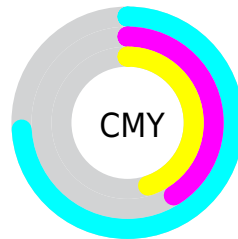


Cyan (56%)

Magenta (0%)

Yellow (8%)

Black (41%)



Cyan (74%)

Magenta (41%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0415, 25.1906, 28.3375 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 18.0415, 25.1906, 28.3375 by changing the saturation by 10% instead.

■ 18.0415, 25.1906,
28.3375

■ 18.0415, 25.1906,
28.3375

234.1459,
278.7858, 308.0386

■ 11.0797, 16.2191,
18.3390

■ 39.6376, 51.9663,
58.0524

■ 6.1881, 9.6793,
11.0217

■ 55.0025, 70.5392,
78.6059

■ 3.0016, 5.1869,
5.9671

■ 73.8991, 93.0815,
103.5147

■ 1.1546, 2.3573,
2.7566

■ 96.6929, 119.9774,
133.1975

■ 0.0701, 0.8038,
0.9717

■ 123.7491,
151.6114, 168.0727

■ 0.0000, 0.0000,
0.0000

155.4331,

188.3679, 208.5590

192.1102,
230.6312, 255.0748

■ 18.0415, 25.1906,
28.3375

■ 18.0415, 25.1906,
28.3375

■ 16.9823, 24.6632,
27.4736

■ 19.3752, 25.8603,
29.2316

■ 16.1740, 24.2642,
26.6370

■ 21.0004, 26.6794,
30.1551

■ 15.5925, 23.9818,
25.8271

■ 22.9352, 27.6577,
31.1096

■ 15.2039, 23.7984,
25.0423

■ 25.1958, 28.8036,
32.0958

■ 15.0580, 23.7305,
24.7052

■ 27.7970, 30.1247,
33.1145

■ 30.7529, 31.6283,
34.1665

■ 34.0766, 33.3212,
35.2526

■ 37.7808, 35.2098,
36.3733

■ 41.8773, 37.3003,
37.5293

Harmonies

Analogous

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



18.6352, 25.1906, 19.7920



18.0415, 25.1906, 28.3375



18.9022, 25.1906, 38.7406

Triad

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



18.0415, 25.1906, 28.3375



27.6217, 25.1906, 46.1551



27.0277, 25.1906, 14.0241

Complementary

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



18.0415, 25.1906, 28.3375



16.1817, 11.1587, 8.6988

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.



29.8085, 25.1906, 18.5651



18.0415, 25.1906, 28.3375



30.1734, 25.1906, 36.8125

Square

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



18.0415, 25.1906, 28.3375



24.2583, 25.1906, 50.4266



31.0085, 25.1906, 26.5387



23.6303, 25.1906, 12.7650

Rectangle

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



18.0415, 25.1906, 28.3375



20.2368, 25.1906, 44.9995



31.0085, 25.1906, 26.5387



28.0760, 25.1906, 15.1550

Sweetspot

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



18.0422, 25.1916, 28.3381



44.3852, 51.2086, 57.1710



15.3550, 24.2276, 9.1776



9.9153, 11.5513, 12.9208



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.0422, 25.1916, 28.3381



29.9766, 43.9513, 48.7887



14.8119, 17.2495, 31.8281



6.3466, 7.0114, 7.7487



12.8177, 20.1905, 21.0584



0.2007, 0.3055, 0.3628

Inverse Universe

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



16.1817, 11.1587, 8.6988



26.3190, 16.1736, 10.0385



17.9959, 15.4242, 7.3392



6.2430, 6.2363, 6.6596



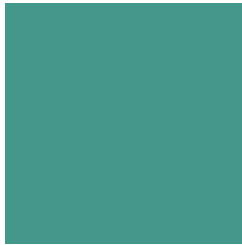
10.9840, 5.6478, 1.1748



0.1723, 0.0877, 0.0602

Previews

White Background



This preview shows how the XYZ color 18.0415, 25.1906, 28.3375 looks on a white background.

Color Contrast Check

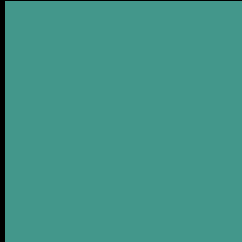
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0415, 25.1906, 28.3375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

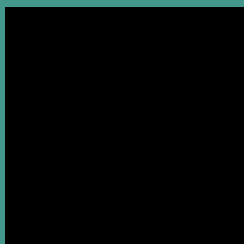
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.0415, 25.1906, 28.3375

Background



This preview shows how black text looks on a background with the XYZ color 18.0415, 25.1906, 28.3375.

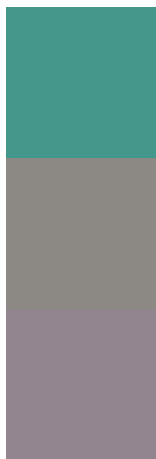


This preview shows how white text looks on a background with the XYZ color 18.0415, 25.1906,

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

18.0415, 25.1906, 28.3375

Protanopia

23.7161, 24.8225, 25.0140

Deuteranopia

25.3781, 24.9613, 29.4670



Tritanopia

19.8367, 25.2137, 37.0789

Trichromacy



Original Color

18.0415, 25.1906, 28.3375

Protanomaly

20.6380, 24.2817, 26.1534

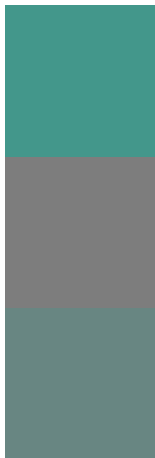
Deuteranomaly

21.7318, 24.5607, 29.1865

Tritanomaly

19.0874, 25.1396, 33.5522

Monochromacy



Original Color

18.0415, 25.1906, 28.3375

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.2633, 21.6050, 24.3267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0415, 25.1906, 28.3375 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(67, 151, 139)` looks like.

```
.text, #text, p{  
    color:rgb(67, 151, 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(67, 151, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 151, 139) }
```

Border

The CSS property to change the border of an element to XYZ 18.0415, 25.1906, 28.3375 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(67, 151, 139) }
```


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

```
.border{ border-color:rgb(67, 151, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 151, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 151, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 151, 139);  
box-shadow:4px 4px 4px 4px rgb(67, 151,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0415, 25.1906, 28.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 151, 139) }
```

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

```
.background{ background-color: rgb(67, 151,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor