

Converting Colors

XYZ(18.8870, 26.0453, 36.6190)

Have a look what the booklet for
XYZ(18.8870, 26.0453, 36.6190)
contains.

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Color

**XYZ(18.8682, 25.9140,
36.8083)**

Conversions

Conversions Part 1

Format	Color
Hex	30999F
RGB	48, 153, 159
RGB Percent	19%, 60%, 62%
CMY	0.8117, 0.4000, 0.3765
CMYK	0.70, 0.04, 0.00, 0.38
HSL	183°, 54%, 41%
HSV	183°, 70%, 62%
XYZ	18.8682, 25.9140, 36.8083
YIQ	122.2890, -64.5060, -20.3940

Conversions

Conversions Part 2

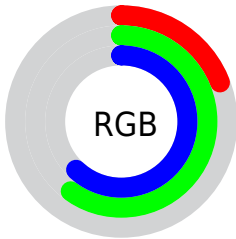
Format	Color
R_{YB}	48, 102, 159
Decimal	3185055
CIE _{Lab}	57.96, -27.10, -11.81
CIE _{LCh}	58, 29.561, 203.558
Yxy	25.9140, 0.2313, 0.3176
Android (android.graphics.Color)	4281375135 (0xFF30999F)
YUV	122.2890, 18.0985, -65.1515
Hunter-Lab	50.9058, -22.9242, -7.2366

Details

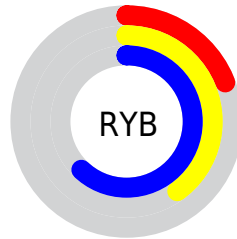
The XYZ color **18.8682, 25.9140, 36.8083** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.1515, 10.2235, 3.9193**, and the grayscale version is **18.5520, 19.5181, 21.2552**.

A 20% lighter version of the original color is **41.1239, 53.2818, 71.7353**, and **7.3605, 10.3901, 15.8049** is the 20% darker color. If you saturate the color by 10%, you get **18.1085, 25.3149, 36.7332**, and if you desaturate by 10%, it is **19.8993, 26.6557, 36.8976**.

Distribution



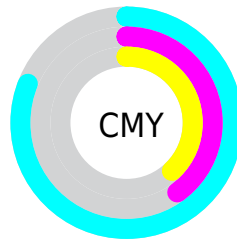
- Red (19%)
- Green (60%)
- Blue (62%)



- Red (19%)
- Yellow (40%)
- Blue (62%)



- Cyan (70%)
- Magenta (4%)
- Yellow (0%)
- Black (38%)



- Cyan (81%)
- Magenta (40%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8682, 25.9140, 36.8083 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 18.8682, 25.9140, 36.8083 by changing the saturation by 10% instead.

■ 18.8682, 25.9140,
36.8083

■ 18.8682, 25.9140,
36.8083

238.6723,
282.3597, 347.6235

■ 11.6785, 16.7593,
24.7645

■ 41.0299, 53.1362,
71.4609

■ 6.5958, 10.0630,
15.6842

■ 56.7326, 71.9725,
94.9067

■ 3.2547, 5.4408,
9.1491

■ 76.0036, 94.8047,
122.9903

■ 1.2898, 2.5081,
4.7404

■ 99.2085, 122.0174,
156.1302

■ 0.1756, 0.8807,
2.0397

■ 126.7124,
153.9948, 194.7449

■ 0.0000, 0.0000,
0.5795

158.8808,

■ 0.0000, 0.0000,

191.1214, 239.2530

0.0000

196.0789,
233.7815, 290.0730

■ 18.8682, 25.9140,
36.8083

■ 18.8682, 25.9140,
36.8083

■ 18.1085, 25.3149,
36.7332

■ 19.8993, 26.6557,
36.8976

■ 17.5876, 24.8398,
36.6689

■ 21.2252, 27.5503,
37.0004

■ 17.2361, 24.4535,
36.6129

■ 22.8695, 28.6105,
37.1184

■ 17.2296, 24.4462,
36.6118

■ 24.8529, 29.8471,
37.2525

■ 27.1941, 31.2697,
37.4037

■ 29.9106, 32.8872,
37.5727

■ 33.0188, 34.7082,
37.7604

■ 36.5338, 36.7404,
37.9674

■ 40.4703, 38.9915,
38.1944

Harmonies

Analogous

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



18.4298, 25.9140, 26.0709



18.8682, 25.9140, 36.8083



20.7803, 25.9140, 47.1298

Triad

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



18.8682, 25.9140, 36.8083



30.5642, 25.9140, 41.5518



25.4073, 25.9140, 12.8631

Complementary

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



18.8682, 25.9140, 36.8083



16.1515, 10.2235, 3.9193

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.



28.9291, 25.9140, 15.1904



18.8682, 25.9140, 36.8083



32.0860, 25.9140, 30.4756

Square

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



18.8682, 25.9140, 36.8083



27.4718, 25.9140, 50.2980



31.4606, 25.9140, 21.0770



21.9921, 25.9140, 13.7794

Rectangle

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



18.8682, 25.9140, 36.8083



22.7415, 25.9140, 51.5326



31.4606, 25.9140, 21.0770



26.6213, 25.9140, 13.2692

Sweetspot

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



18.8690, 25.9150, 36.8089



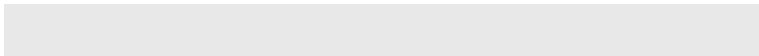
47.9893, 55.5715, 66.9405



14.2732, 25.6874, 7.6418



10.5664, 12.3757, 15.0755



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.



18.8690, 25.9150, 36.8089



31.8417, 44.8181, 65.7160



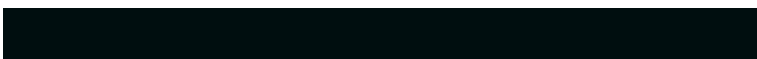
11.8409, 11.8588, 34.4662



6.7911, 7.4480, 8.4864



13.6182, 19.3279, 28.9201



0.2519, 0.3623, 0.5199

Inverse Universe

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



21.1055, 11.7856, 31.3004



36.2496, 18.3302, 54.5546



20.3064, 18.5334, 5.3043



6.8887, 6.7484, 8.2648



15.6720, 7.5734, 23.5877



0.2844, 0.1371, 0.4440

Previews

White Background



This preview shows how the XYZ color 18.8682, 25.9140, 36.8083 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 18.8682, 25.9140, 36.8083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

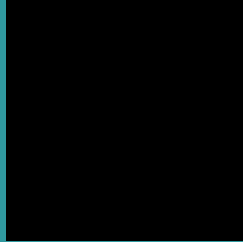
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8682, 25.9140, 36.8083

Background



This preview shows how black text looks on a background with the XYZ color 18.8682, 25.9140, 36.8083.

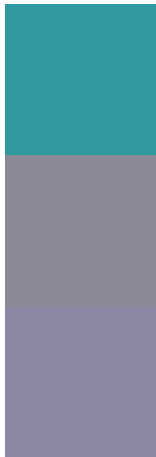


This preview shows how white text looks on a background with the XYZ color 18.8682, 25.9140,

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

18.8682, 25.9140, 36.8083

Protanopia

24.8517, 25.4645, 32.0391

Deuteranopia

26.0900, 25.5477, 38.2064



Tritanopia

19.2943, 25.8406, 39.0928

Trichromacy



Original Color

18.8682, 25.9140, 36.8083

Protanomaly

21.3979, 24.9481, 33.8247

Deuteranomaly

22.2580, 25.0804, 37.8503

Tritanomaly

19.0652, 25.7432, 38.1465

Monochromacy



Original Color

18.8682, 25.9140, 36.8083

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.4800, 20.9572, 26.0455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8682, 25.9140, 36.8083 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(48, 153, 159)` looks like.

```
.text, #text, p{  
    color:rgb(48, 153, 159)  
}
```

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(48, 153, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 153, 159) }
```

Border

The CSS property to change the border of an element to XYZ 18.8682, 25.9140, 36.8083 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(48, 153, 159) }
```


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

```
.border{ border-color:rgb(48, 153, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 153, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 153, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 153, 159);  
box-shadow:4px 4px 4px 4px rgb(48, 153,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8682, 25.9140, 36.8083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 153, 159) }
```

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

```
.background{ background-color: rgb(48, 153,  
159) }
```

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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