

Converting Colors

XYZ(18.1005, 27.3374, 32.3135)

Have a look what the booklet for
XYZ(18.1005, 27.3374, 32.3135)
contains.

XYZ(18.1298, 27.3899, 32.3482)	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(18.1298, 27.3899,
32.3482)**

Conversions

Conversions Part 1

Format	Color
Hex	10A094
RGB	16, 160, 148
RGB Percent	6%, 63%, 58%
CMY	0.9372, 0.3725, 0.4196
CMYK	0.90, 0.00, 0.08, 0.37
HSL	175°, 82%, 35%
HSV	175°, 90%, 63%
XYZ	18.1298, 27.3899, 32.3482
YIQ	115.5760, -81.9720, -34.2600

Conversions

Conversions Part 2

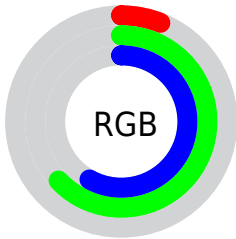
Format	Color
RYB	16, 91, 160
Decimal	1089684
CIELab	59.33, -36.89, -3.57
CIElCh	59, 37.065, 185.523
Yxy	27.3899, 0.2328, 0.3517
Android (android.graphics.Color)	4279279764 (0xFF10A094)
YUV	115.5760, 15.9850, -87.3282
Hunter-Lab	52.3354, -29.7516, -0.0121

Details

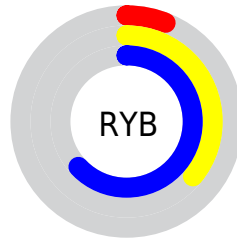
The XYZ color **18.1298, 27.3899, 32.3482** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.8931, 7.9289, 1.8452**, and the grayscale version is **16.4434, 17.2997, 18.8394**.

A 20% lighter version of the original color is **39.6804, 55.2980, 64.4593**, and **7.5202, 11.5882, 13.1496** is the 20% darker color. If you saturate the color by 10%, you get **17.8118, 27.2387, 31.7860**, and if you desaturate by 10%, it is **18.6190, 27.6305, 32.9260**.

Distribution



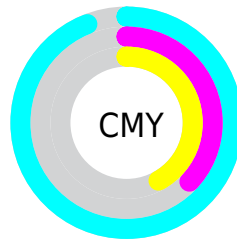
- Red (6%)
- Green (63%)
- Blue (58%)



- Red (6%)
- Yellow (36%)
- Blue (63%)



- Cyan (90%)
- Magenta (0%)
- Yellow (8%)
- Black (37%)





- Cyan (94%)
- Magenta (37%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.1298, 27.3899, 32.3482 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 18.1298, 27.3899, 32.3482 by changing the saturation by 10% instead.


 18.1298, 27.3899,
32.3482


 18.1298, 27.3899,
32.3482


234.6331,
289.5400, 327.2438


 11.1435, 17.8663,
21.3606


 39.7867, 55.5089,
64.4608


 6.2314, 10.8540,
13.1940


 55.1880, 74.8731,
86.4229


 3.0283, 5.9688,
7.4300


 74.1250, 98.2862,
112.8801

 1.1687, 2.8261,
3.6499

 96.9631, 126.1327,
144.2512

 0.0815, 1.0416,
1.4353

 124.0676,
158.7969, 180.9545

 0.0000, 0.0000,
0.1691

 155.8039,

 0.0000, 0.0000,

196.6633, 223.4087

0.0000

192.5372,
240.1162, 272.0323

■ 18.1298, 27.3899,
32.3482

■ 18.1298, 27.3899,
32.3482

■ 17.8118, 27.2387,
31.7860

■ 18.6190, 27.6305,
32.9260

■ 17.8115, 27.2386,
31.7854

■ 19.3500, 27.9949,
33.5209

■ 20.3544, 28.5001,
34.1349

■ 21.6586, 29.1598,
34.7694

■ 23.2857, 29.9857,
35.4255

■ 25.2567, 30.9888,
36.1041

■ 27.5908, 32.1790,
36.8061

■ 30.3056, 33.5653,
37.5325

■ 33.4178, 35.1563,
38.2840

Harmonies

Analogous

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



18.7334, 27.3899, 20.4459



18.1298, 27.3899, 32.3482



19.4308, 27.3899, 47.2530

Triad

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



18.1298, 27.3899, 32.3482



31.5642, 27.3899, 55.8025



29.9044, 27.3899, 12.0987

Complementary

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



18.1298, 27.3899, 32.3482



14.8931, 7.9289, 1.8452

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.



33.9839, 27.3899, 17.3122



18.1298, 27.3899, 32.3482



35.0190, 27.3899, 41.7015

Square

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



18.1298, 27.3899, 32.3482



26.9007, 27.3899, 63.1377



35.9531, 27.3899, 27.4327



25.1847, 27.3899, 10.9449

Rectangle

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



18.1298, 27.3899, 32.3482



21.3058, 27.3899, 56.2092



35.9531, 27.3899, 27.4327



31.4129, 27.3899, 13.3389

Sweetspot

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



18.1306, 27.3909, 32.3489



46.8410, 56.7662, 65.8632



13.2125, 25.4622, 4.7092



9.9977, 12.3095, 14.3574



76.7382, 80.7346, 87.9200



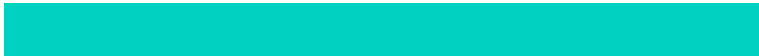
13.3056, 13.9985, 15.2444

Same Dimension

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



18.1306, 27.3909, 32.3489



32.3030, 49.4412, 57.5190



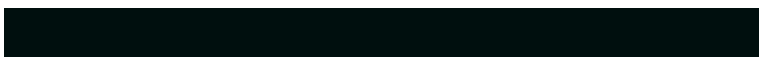
11.3510, 12.2317, 35.0215



6.7980, 7.4999, 8.3708



13.8822, 21.2208, 24.8007



0.2545, 0.3820, 0.4767

Inverse Universe

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



14.8931, 7.9289, 1.8452



26.4274, 13.6117, 1.7825



17.0143, 12.3571, 1.9793



6.6544, 6.6547, 7.0312



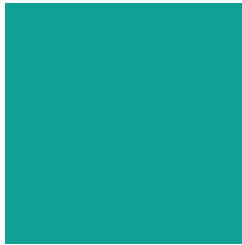
11.3589, 5.8481, 0.8748



0.2089, 0.1069, 0.0462

Previews

White Background



This preview shows how the XYZ color 18.1298, 27.3899, 32.3482 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 18.1298, 27.3899, 32.3482 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

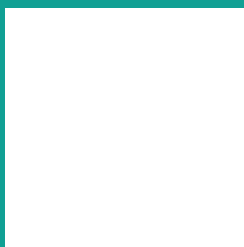
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.1298, 27.3899, 32.3482

Background



This preview shows how black text looks on a background with the XYZ color 18.1298, 27.3899, 32.3482.

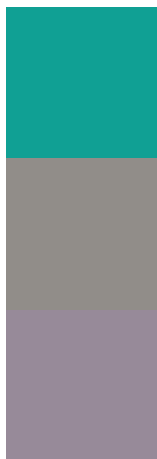


This preview shows how white text looks on a background with the XYZ color 18.1298, 27.3899,

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

18.1298, 27.3899, 32.3482

Protanopia

25.7173, 26.8756, 27.4990

Deuteranopia

27.6007, 27.0562, 33.9046



Tritanopia

20.2271, 27.4876, 42.2698

Trichromacy



Original Color

18.1298, 27.3899, 32.3482

Protanomaly

20.4346, 25.6996, 29.0828

Deuteranomaly

21.3443, 25.6169, 33.0978

Tritanomaly

19.3441, 27.3694, 38.4457

Monochromacy



Original Color

18.1298, 27.3899, 32.3482

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.4558, 19.7665, 23.4228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1298, 27.3899, 32.3482 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(16, 160, 148)` looks like.

```
.text, #text, p{  
    color:rgb(16, 160, 148)  
}
```

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(16, 160, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 160, 148) }
```

Border

The CSS property to change the border of an element to XYZ 18.1298, 27.3899, 32.3482 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(16, 160, 148) }
```


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

```
.border{ border-color:rgb(16, 160, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 160, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 160, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 160, 148);  
box-shadow:4px 4px 4px 4px rgb(16, 160,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1298, 27.3899, 32.3482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 160, 148) }
```

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

```
.background{ background-color: rgb(16, 160,  
148) }
```

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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