

Converting Colors

XYZ(18.0426, 27.1507, 29.4890)

Have a look what the booklet for
XYZ(18.0426, 27.1507, 29.4890)
contains.

XYZ(18.0426, 27.1507, 29.4890)	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(18.0426, 27.1507,
29.4890)**

Conversions

Conversions Part 1

Format	Color
Hex	279F8D
RGB	39, 159, 141
RGB Percent	15%, 62%, 55%
CMY	0.8470, 0.3765, 0.4471
CMYK	0.75, 0.00, 0.11, 0.38
HSL	171°, 61%, 39%
HSV	171°, 75%, 62%
XYZ	18.0426, 27.1507, 29.4890
YIQ	121.0680, -65.7420, -31.0380

Conversions

Conversions Part 2

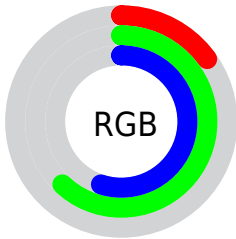
Format	Color
R_{YB}	39, 104, 159
Decimal	2596749
CIE _{Lab}	59.11, -36.41, 0.11
CIE _{LCh}	59, 36.407, 179.831
Yxy	27.1507, 0.2416, 0.3635
Android (android.graphics.Color)	4280786829 (0xFF279F8D)
YUV	121.0680, 9.8265, -71.9736
Hunter-Lab	52.1063, -29.3778, 2.9199

Details

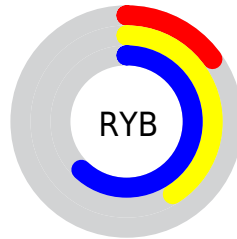
The XYZ color **18.0426, 27.1507, 29.4890** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.7631, 9.1182, 4.8013**, and the grayscale version is **18.1815, 19.1283, 20.8307**.

A 20% lighter version of the original color is **39.6058, 54.9763, 60.1538**, and **7.1460, 11.2707, 11.6964** is the 20% darker color. If you saturate the color by 10%, you get **17.3866, 26.8334, 28.5423**, and if you desaturate by 10%, it is **18.9564, 27.6017, 30.4690**.

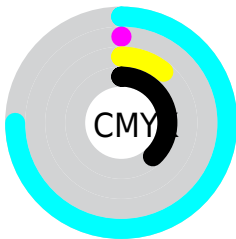
Distribution



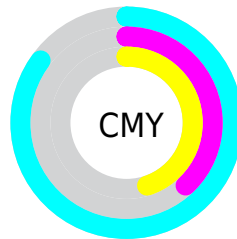
- Red (15%)
- Green (62%)
- Blue (55%)



- Red (15%)
- Yellow (41%)
- Blue (62%)



- Cyan (75%)
- Magenta (0%)
- Yellow (11%)
- Black (38%)



- Cyan (85%)
- Magenta (38%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0426, 27.1507, 29.4890 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 18.0426, 27.1507, 29.4890 by changing the saturation by 10% instead.

■ 18.0426, 27.1507,
29.4890

■ 18.0426, 27.1507,
29.4890

234.1520,
288.3860, 313.6481

■ 11.0804, 17.6864,
19.2023

■ 39.6394, 55.1256,
59.9045

■ 6.1887, 10.7251,
11.6383

■ 55.0048, 74.4050,
80.8705

■ 3.0019, 5.8823,
6.3783

■ 73.9020, 97.7250,
106.2332

■ 1.1548, 2.7736,
3.0040

■ 96.6963, 125.4698,
136.4113

■ 0.0702, 1.0147,
1.0967

■ 123.7531,
158.0239, 171.8233

■ 0.0000, 0.0000,
0.0000

■ 155.4377,

195.7717, 212.8877

192.1156,
239.0977, 260.0231

■ 18.0426, 27.1507,
29.4890

■ 18.0426, 27.1507,
29.4890

■ 17.3866, 26.8334,
28.5423

■ 18.9564, 27.6017,
30.4690

■ 16.9491, 26.6278,
27.6250

■ 20.1536, 28.1977,
31.4817

■ 16.7823, 26.5506,
27.2172

■ 21.6596, 28.9525,
32.5291

■ 23.4961, 29.8771,
33.6122

■ 25.6829, 30.9819,
34.7322

■ 28.2382, 32.2763,
35.8900

■ 31.1789, 33.7688,
37.0865

■ 34.5210, 35.4678,
38.3226

■ 38.2794, 37.3810,
39.5991

Harmonies

Analogous

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



18.9875, 27.1507, 18.7196



18.0426, 27.1507, 29.4890



18.9666, 27.1507, 43.7801

Triad

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



18.0426, 27.1507, 29.4890



30.3832, 27.1507, 56.8945



30.4329, 27.1507, 12.8219

Complementary

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



18.0426, 27.1507, 29.4890



15.7631, 9.1182, 4.8013

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.



34.1187, 27.1507, 18.8137



18.0426, 27.1507, 29.4890



34.0877, 27.1507, 43.9458

Square

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



18.0426, 27.1507, 29.4890



25.7803, 27.1507, 62.1604



35.5271, 27.1507, 29.6361



25.8316, 27.1507, 10.9826

Rectangle

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



18.0426, 27.1507, 29.4890



20.5879, 27.1507, 53.0001



35.5271, 27.1507, 29.6361



31.8386, 27.1507, 14.3103

Sweetspot

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



18.0434, 27.1517, 29.4896



46.8687, 55.9265, 62.6155



14.5689, 25.8737, 6.1464



10.2371, 12.4419, 13.9588



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.



18.0434, 27.1517, 29.4896



30.5359, 47.7708, 49.9167



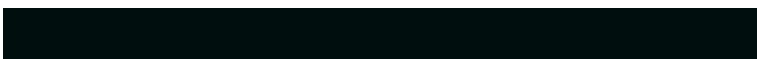
13.6926, 16.1294, 35.1936



6.7790, 7.4924, 8.2711



13.2669, 20.9747, 21.5601



0.2478, 0.3793, 0.4411

Inverse Universe

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



15.7631, 9.1182, 4.8013



26.3414, 13.8562, 3.9530



17.4613, 13.1106, 3.5304



6.6716, 6.6616, 7.1218



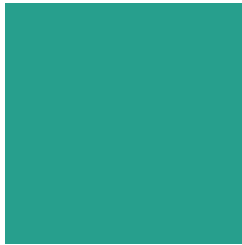
11.4324, 5.8775, 1.2621



0.2145, 0.1091, 0.0757

Previews

White Background



This preview shows how the XYZ color 18.0426, 27.1507, 29.4890 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 18.0426, 27.1507, 29.4890 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

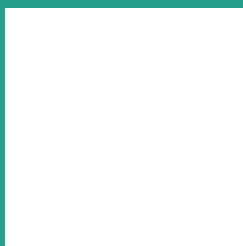
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.0426, 27.1507, 29.4890

Background



This preview shows how black text looks on a background with the XYZ color 18.0426, 27.1507, 29.4890.

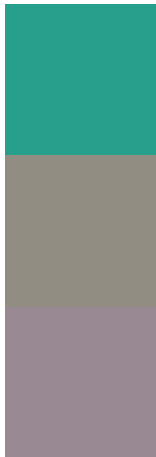


This preview shows how white text looks on a background with the XYZ color 18.0426, 27.1507,

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

18.0426, 27.1507, 29.4890

Protanopia

25.4757, 26.7994, 25.3028

Deuteranopia

27.2708, 26.7389, 30.9179



Tritanopia

20.3648, 27.0821, 41.1998

Trichromacy



Original Color

18.0426, 27.1507, 29.4890



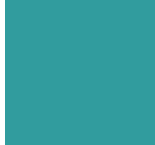
Protanomaly

21.0265, 26.0549, 26.8426



Deuteranomaly

21.8415, 25.7092, 30.1967



Tritanomaly

19.3266, 26.8985, 36.5211

Monochromacy



Original Color

18.0426, 27.1507, 29.4890



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

16.8746, 21.1106, 23.6074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0426, 27.1507, 29.4890 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(39, 159, 141)` looks like.

```
.text, #text, p{  
  color:rgb(39, 159, 141)  
}
```

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(39, 159, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 159, 141) }
```

Border

The CSS property to change the border of an element to XYZ 18.0426, 27.1507, 29.4890 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(39, 159, 141) }
```


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

```
.border{ border-color:rgb(39, 159, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 159, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 159, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 159, 141);  
box-shadow:4px 4px 4px 4px rgb(39, 159,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0426, 27.1507, 29.4890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 159, 141) }
```

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

```
.background{ background-color: rgb(39, 159,  
141) }
```

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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