

Converting Colors

XYZ(18.8482, 27.1511, 36.5947)

Have a look what the booklet for
XYZ(18.8482, 27.1511, 36.5947)
contains.

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Color

**XYZ(18.8504, 27.1554,
36.5957)**

Conversions

Conversions Part 1

Format	Color
Hex	1B9E9E
RGB	27, 158, 158
RGB Percent	11%, 62%, 62%
CMY	0.8941, 0.3804, 0.3804
CMYK	0.83, 0.00, 0.00, 0.38
HSL	180°, 71%, 36%
HSV	180°, 83%, 62%
XYZ	18.8504, 27.1554, 36.5957
YIQ	118.8310, -78.0760, -27.7720

Conversions

Conversions Part 2

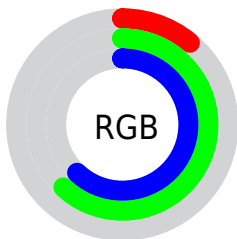
Format	Color
R_{YB}	27, 93, 158
Decimal	1810078
CIE _{Lab}	59.12, -32.20, -9.54
CIE _{LCh}	59, 33.584, 196.506
Yxy	27.1554, 0.2282, 0.3288
Android (android.graphics.Color)	4280000158 (0xFF1B9E9E)
YUV	118.8310, 19.3103, -80.5358
Hunter-Lab	52.1108, -26.6240, -5.1598

Details

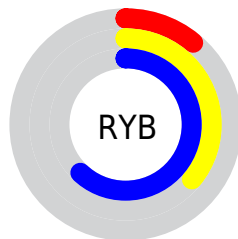
The XYZ color **18.8504, 27.1554, 36.5957** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.6912, 8.1329, 1.8332**, and the grayscale version is **17.4411, 18.3494, 19.9825**.

A 20% lighter version of the original color is **41.0600, 55.1019, 71.4224**, and **7.8079, 11.3696, 15.6930** is the 20% darker color. If you saturate the color by 10%, you get **18.5397, 26.9958, 36.5817**, and if you desaturate by 10%, it is **19.3873, 27.4328, 36.6215**.

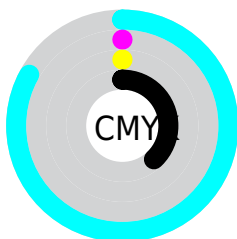
Distribution



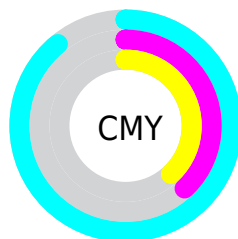
- Red (11%)
- Green (62%)
- Blue (62%)



- Red (11%)
- Yellow (36%)
- Blue (62%)



- Cyan (83%)
- Magenta (0%)
- Yellow (0%)
- Black (38%)



- Cyan (89%)
- Magenta (38%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8504, 27.1554, 36.5957 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 18.8504, 27.1554, 36.5957 by changing the saturation by 10% instead.

■ 18.8504, 27.1554,
36.5957

■ 18.8504, 27.1554,
36.5957

■ 238.5756,
288.4088, 346.6726

■ 11.6656, 17.6900,
24.6013

■ 41.0000, 55.1331,
71.1299

■ 6.5870, 10.7276,
15.5639

■ 56.6955, 74.4142,
94.5068

■ 3.2492, 5.8840,
9.0651

■ 75.9586, 97.7360,
122.5148

■ 1.2869, 2.7747,
4.6863

■ 99.1546, 125.4828,
155.5727

■ 0.1734, 1.0153,
2.0089

■ 126.6490,
158.0391, 194.0989

■ 0.0000, 0.0000,
0.5607

■ 158.8071,

■ 0.0000, 0.0000,

195.7893, 238.5119

0.0000

195.9942,
239.1177, 289.2303

■ 18.8504, 27.1554,
36.5957

■ 18.8504, 27.1554,
36.5957

■ 18.5397, 26.9958,
36.5817

■ 19.3873, 27.4328,
36.6215

■ 18.3989, 26.9232,
36.5750

■ 20.1797, 27.8412,
36.6587

■ 21.2548, 28.3955,
36.7091

■ 22.6361, 29.1076,
36.7738

■ 24.3443, 29.9882,
36.8539

■ 26.3985, 31.0472,
36.9501

■ 28.8163, 32.2936,
37.0633

■ 31.6140, 33.7359,
37.1943

■ 34.8071, 35.3819,
37.3438

Harmonies

Analogous

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



18.7620, 27.1554, 24.5185



18.8504, 27.1554, 36.5957



20.6678, 27.1554, 49.5893

Triad

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



18.8504, 27.1554, 36.5957



32.0861, 27.1554, 48.3926



27.7302, 27.1554, 12.3670

Complementary

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



18.8504, 27.1554, 36.5957



14.6912, 8.1329, 1.8332

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.



31.7423, 27.1554, 15.8236



18.8504, 27.1554, 36.5957



34.4342, 27.1554, 35.2663

Square

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



18.8504, 27.1554, 36.5957



28.1601, 27.1554, 57.5583



34.3020, 27.1554, 23.5024



23.5952, 27.1554, 12.5428

Rectangle

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



18.8504, 27.1554, 36.5957



22.7392, 27.1554, 56.0761



34.3020, 27.1554, 23.5024



29.1464, 27.1554, 13.0920

Sweetspot

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



18.8512, 27.1564, 36.5964



46.9122, 55.8508, 67.0508



12.9375, 24.7978, 5.1422



10.2943, 12.4461, 15.1033



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.



18.8512, 27.1564, 36.5964



33.4370, 48.9041, 66.4190



10.6884, 10.8305, 33.8761



6.8219, 7.5095, 8.4966



14.7351, 21.5620, 29.2918



0.2635, 0.3855, 0.5238

Inverse Universe

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



14.6912, 8.1329, 1.8332



25.6403, 13.2500, 1.2655



17.9825, 14.7156, 2.9302



6.6331, 6.6462, 6.9189



11.2931, 5.8218, 0.5286



0.2019, 0.1041, 0.0095

Previews

White Background



This preview shows how the XYZ color 18.8504, 27.1554, 36.5957 looks on a white background.

Color Contrast Check

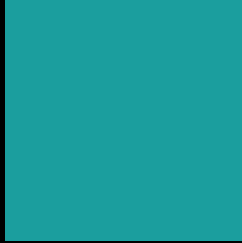
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8504, 27.1554, 36.5957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

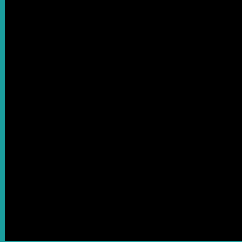
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8504, 27.1554, 36.5957

Background



This preview shows how black text looks on a background with the XYZ color 18.8504, 27.1554, 36.5957.

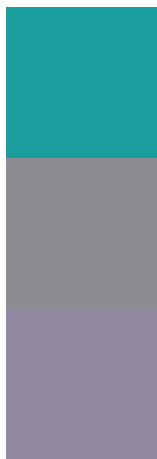


This preview shows how white text looks on a background with the XYZ color 18.8504, 27.1554,

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

18.8504, 27.1554, 36.5957

Protanopia

25.7999, 26.6135, 31.3809

Deuteranopia

27.2871, 26.8053, 37.9182



Tritanopia

19.8492, 27.0536, 41.7118

Trichromacy



Original Color

18.8504, 27.1554, 36.5957

Protanomaly

21.2752, 25.8111, 33.1389

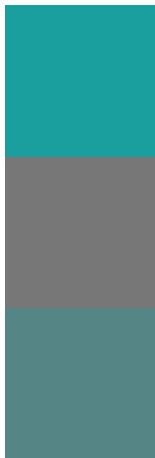
Deuteranomaly

22.0379, 25.6488, 37.5074

Tritanomaly

19.5082, 27.1706, 39.8136

Monochromacy



Original Color

18.8504, 27.1554, 36.5957

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.4589, 20.4469, 25.2695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8504, 27.1554, 36.5957 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(27, 158, 158)` looks like.

```
.text, #text, p{  
    color:rgb(27, 158, 158)  
}
```

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(27, 158, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 158, 158) }
```

Border

The CSS property to change the border of an element to XYZ 18.8504, 27.1554, 36.5957 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(27, 158, 158) }
```


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

```
.border{ border-color:rgb(27, 158, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 158, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 158, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 158, 158);  
box-shadow:4px 4px 4px 4px rgb(27, 158,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8504, 27.1554, 36.5957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 158, 158) }
```

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

```
.background{ background-color: rgb(27, 158,  
158) }
```

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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