

Converting Colors

XYZ(19.8275, 27.9640, 29.1343)

Have a look what the booklet for
XYZ(19.8275, 27.9640, 29.1343)
contains.

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Color

**XYZ(19.8794, 28.1062,
29.1882)**

Conversions

Conversions Part 1

Format	Color
Hex	499F8C
RGB	73, 159, 140
RGB Percent	29%, 62%, 55%
CMY	0.7137, 0.3765, 0.4510
CMYK	0.54, 0.00, 0.12, 0.38
HSL	167°, 37%, 45%
HSV	167°, 54%, 62%
XYZ	19.8794, 28.1062, 29.1882
YIQ	131.1200, -45.1570, -24.1410

Conversions

Conversions Part 2

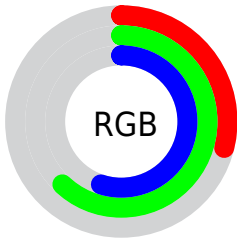
Format	Color
RYB	73, 121, 159
Decimal	4824972
CIELab	59.98, -30.72, 2.05
CIElCh	60, 30.792, 176.181
Yxy	28.1062, 0.2576, 0.3642
Android (android.graphics.Color)	4283015052 (0xFF499F8C)
YUV	131.1200, 4.3778, -50.9712
Hunter-Lab	53.0153, -25.8437, 4.4679

Details

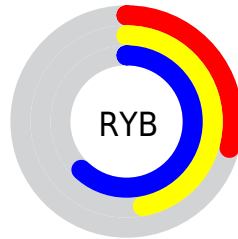
The XYZ color **19.8794, 28.1062, 29.1882** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.6133, 12.9094, 11.6370**, and the grayscale version is **21.6133, 22.7389, 24.7627**.

A 20% lighter version of the original color is **42.5743, 56.5326, 59.1201**, and **7.1032, 11.2536, 11.4706** is the 20% darker color. If you saturate the color by 10%, you get **18.5705, 27.4616, 27.7967**, and if you desaturate by 10%, it is **21.5061, 28.9151, 30.6390**.

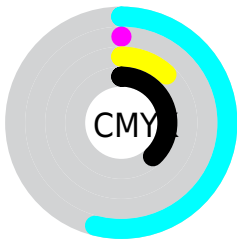
Distribution



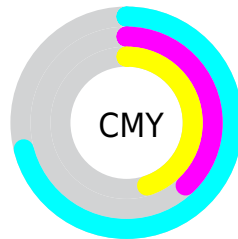
- Red (29%)
- Green (62%)
- Blue (55%)



- Red (29%)
- Yellow (47%)
- Blue (62%)



- Cyan (54%)
- Magenta (0%)
- Yellow (12%)
- Black (38%)



- Cyan (71%)
- Magenta (38%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8794, 28.1062, 29.1882 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 19.8794, 28.1062, 29.1882 by changing the saturation by 10% instead.

■ 19.8794, 28.1062,
29.1882

■ 19.8794, 28.1062,
29.1882

244.1075,
292.9740, 312.1906

■ 12.4152, 18.4057,
18.9764

■ 42.7204, 56.6540,
59.4217

■ 7.1013, 11.2417,
11.4766

■ 58.8278, 76.2700,
80.2805

■ 3.5724, 6.2296,
6.2702

■ 78.5471, 99.9601,
105.5255

■ 1.4632, 2.9852,
2.9386

■ 102.2435,
128.1085, 135.5750

■ 0.3006, 1.1240,
1.0634

■ 130.2823,
161.0997, 170.8478

■ 0.0000, 0.0000,
0.0000

163.0291,

199.3181, 211.7623

200.8490,
243.1481, 258.7370

■ 19.8794, 28.1062,
29.1882

■ 19.8794, 28.1062,
29.1882

■ 18.5705, 27.4616,
27.7967

■ 21.5061, 28.9151,
30.6390

■ 17.5531, 26.9656,
26.4609

■ 23.4699, 29.8961,
32.1486

■ 16.8002, 26.6051,
25.1800

■ 25.7910, 31.0603,
33.7188

■ 16.2789, 26.3629,
23.9518

■ 28.4875, 32.4171,
35.3510

■ 16.0286, 26.2492,
23.2479

■ 31.5764, 33.9751,
37.0463

■ 35.0734, 35.7426,
38.8057

■ 38.9934, 37.7271,
40.6304

■ 43.3506, 39.9360,
42.5214

■ 48.1585, 42.3762,
44.4796

Harmonies

Analogous

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



20.9305, 28.1062, 20.0956



19.8794, 28.1062, 29.1882



20.5070, 28.1062, 41.1451

Triad

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



19.8794, 28.1062, 29.1882



30.1783, 28.1062, 54.3391



31.1308, 28.1062, 15.9482

Complementary

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



19.8794, 28.1062, 29.1882



18.6133, 12.9094, 11.6370

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.



34.0622, 28.1062, 22.0353



19.8794, 28.1062, 29.1882



33.4756, 28.1062, 44.2523

Square

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



19.8794, 28.1062, 29.1882



26.2155, 28.1062, 57.5775



34.9593, 28.1062, 32.0625



27.2190, 28.1062, 13.7268

Rectangle

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



19.8794, 28.1062, 29.1882



21.8295, 28.1062, 48.9623



34.9593, 28.1062, 32.0625



32.2778, 28.1062, 17.5244

Sweetspot

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



19.8802, 28.1073, 29.1889



49.8864, 57.4845, 62.6503



18.1225, 27.6091, 10.6777



11.0317, 12.8515, 13.9966



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.



19.8802, 28.1073, 29.1889



32.8227, 48.9667, 49.2569



17.8201, 21.5478, 36.0221



6.7591, 7.4844, 8.1659



12.6754, 20.7381, 18.4455



0.2410, 0.3765, 0.4052

Inverse Universe

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



18.6133, 12.9094, 11.6370



30.3390, 18.8318, 14.5949



19.6784, 16.2064, 8.3948



6.6901, 6.6690, 7.2191



11.5478, 5.9237, 1.8695



0.2204, 0.1115, 0.1070

Previews

White Background



This preview shows how the XYZ color 19.8794, 28.1062, 29.1882 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 19.8794, 28.1062, 29.1882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

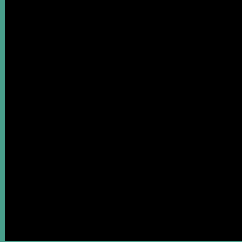
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.8794, 28.1062, 29.1882

Background



This preview shows how black text looks on a background with the XYZ color 19.8794, 28.1062, 29.1882.

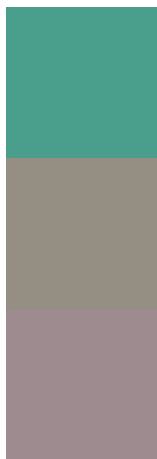


This preview shows how white text looks on a background with the XYZ color 19.8794, 28.1062,

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

19.8794, 28.1062, 29.1882

Protanopia

26.3136, 27.6732, 25.4273

Deuteranopia

28.1713, 27.6470, 30.2372



Tritanopia

22.2689, 28.0637, 41.2889

Trichromacy



Original Color

19.8794, 28.1062, 29.1882

Protanomaly

22.9357, 27.2811, 26.6112

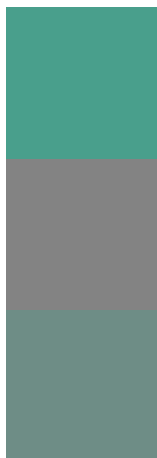
Deuteranomaly

23.8410, 26.9766, 29.9370

Tritanomaly

21.2845, 27.9078, 36.6127

Monochromacy



Original Color

19.8794, 28.1062, 29.1882

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.2584, 24.0860, 26.1356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8794, 28.1062, 29.1882 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(73, 159, 140)` looks like.

```
.text, #text, p{  
  color:rgb(73, 159, 140)  
}
```

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(73, 159, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 159, 140) }
```

Border

The CSS property to change the border of an element to XYZ 19.8794, 28.1062, 29.1882 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(73, 159, 140) }
```


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

```
.border{ border-color:rgb(73, 159, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 159, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 159, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 159, 140);  
box-shadow:4px 4px 4px 4px rgb(73, 159,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8794, 28.1062, 29.1882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 159, 140) }
```

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

```
.background{ background-color: rgb(73, 159,  
140) }
```

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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