

Converting Colors

XYZ(19.8603, 26.5480, 31.3215)

Have a look what the booklet for
XYZ(19.8603, 26.5480, 31.3215)
contains.

XYZ(19.8878, 26.5633, 31.2732)	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(19.8878, 26.5633,
31.2732)**

Conversions

Conversions Part 1

Format	Color
Hex	509992
RGB	80, 153, 146
RGB Percent	31%, 60%, 57%
CMY	0.6863, 0.4000, 0.4274
CMYK	0.48, 0.00, 0.05, 0.40
HSL	174°, 31%, 46%
HSV	174°, 48%, 60%
XYZ	19.8878, 26.5633, 31.2732
YIQ	130.3750, -41.2610, -17.6530

Conversions

Conversions Part 2

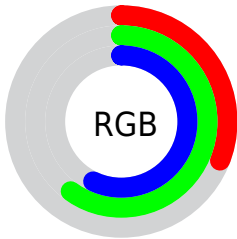
Format	Color
RYB	80, 118, 153
Decimal	5282194
CIELab	58.57, -24.58, -3.39
CIELCh	59, 24.808, 187.859
Yxy	26.5633, 0.2559, 0.3418
Android (android.graphics.Color)	4283472274 (0xFF509992)
YUV	130.3750, 7.7031, -44.1789
Hunter-Lab	51.5396, -21.3158, 0.1017

Details

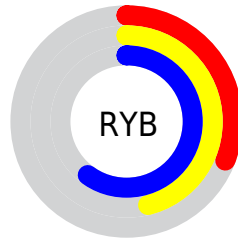
The XYZ color **19.8878, 26.5633, 31.2732** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.7267, 13.1984, 10.6310**, and the grayscale version is **21.3356, 22.4467, 24.4445**.

A 20% lighter version of the original color is **42.8127, 54.3502, 62.8778**, and **7.1720, 10.5067, 12.7163** is the 20% darker color. If you saturate the color by 10%, you get **18.6270, 25.9271, 30.6226**, and if you desaturate by 10%, it is **21.4459, 27.3539, 31.9465**.

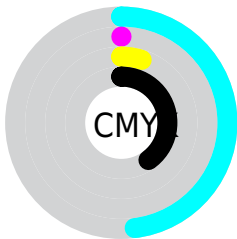
Distribution



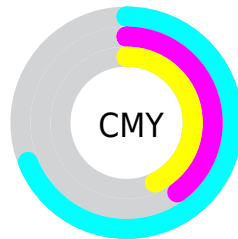
- Red (31%)
- Green (60%)
- Blue (57%)



- Red (31%)
- Yellow (46%)
- Blue (60%)



- Cyan (48%)
- Magenta (0%)
- Yellow (5%)
- Black (40%)



- Cyan (69%)
- Magenta (40%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8878, 26.5633, 31.2732 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 19.8878, 26.5633, 31.2732 by changing the saturation by 10% instead.

■ 19.8878, 26.5633,
31.2732

■ 19.8878, 26.5633,
31.2732

244.1522,
285.5364, 322.1851

■ 12.4213, 17.2455,
20.5468

■ 42.7344, 54.1823,
62.7546

■ 7.1055, 10.4097,
12.6051

■ 58.8452, 73.2523,
84.3465

■ 3.5751, 5.6714,
7.0297

■ 78.5681, 96.3419,
110.3975

■ 1.4647, 2.6463,
3.4019

■ 102.2685,
123.8353, 141.3259

■ 0.3016, 0.9500,
1.3033

■ 130.3118,
156.1171, 177.5503

■ 0.0000, 0.0000,
0.0645

163.0632,

■ 0.0000, 0.0000,

193.5717, 219.4893

0.0000

200.8883,
236.5833, 267.5614

■ 19.8878, 26.5633,
31.2732

■ 19.8878, 26.5633,
31.2732

■ 18.6270, 25.9271,
30.6226

■ 21.4459, 27.3539,
31.9465

■ 17.6407, 25.4316,
29.9919

■ 23.3171, 28.3051,
32.6416

■ 16.9071, 25.0662,
29.3807

■ 25.5192, 29.4267,
33.3598

■ 16.3997, 24.8172,
28.7876

■ 28.0678, 30.7268,
34.1020

■ 16.0712, 24.6603,
28.2104

■ 30.9775, 32.2128,
34.8689

■ 16.0029, 24.6279,
28.0797

■ 34.2621, 33.8920,
35.6610

■ 37.9347, 35.7710,
36.4792

■ 42.0078, 37.8562,
37.3240

■ 46.4931, 40.1538,
38.1959

Harmonies

Analogous

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



20.2104, 26.5633, 23.0604



19.8878, 26.5633, 31.2732



20.9074, 26.5633, 40.4635

Triad

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



19.8878, 26.5633, 31.2732



29.0082, 26.5633, 44.2583



27.5157, 26.5633, 16.0211

Complementary

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



19.8878, 26.5633, 31.2732



17.7267, 13.1984, 10.6310

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.



30.1504, 26.5633, 19.8162



19.8878, 26.5633, 31.2732



31.0591, 26.5633, 35.7033

Square

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



19.8878, 26.5633, 31.2732



26.0555, 26.5633, 48.8813



31.4931, 26.5633, 26.6934



24.4567, 26.5633, 15.3054

Rectangle

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



19.8878, 26.5633, 31.2732



22.2633, 26.5633, 45.5426



31.4931, 26.5633, 26.6934



28.4873, 26.5633, 16.9360

Sweetspot

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



19.8886, 26.5643, 31.2738



47.1967, 53.4608, 60.1929



16.7985, 25.4035, 11.6079



10.2282, 11.7061, 13.2333



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



19.8886, 26.5643, 31.2738



33.2747, 46.3889, 54.7919



16.2414, 18.3715, 32.8283



6.3590, 7.0163, 7.8141



13.2323, 20.3564, 23.2416



0.2043, 0.3069, 0.3813

Inverse Universe

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



17.7267, 13.1984, 10.6310



28.9466, 19.5607, 13.4133



20.0757, 18.3324, 10.0703



6.2317, 6.2318, 6.6001



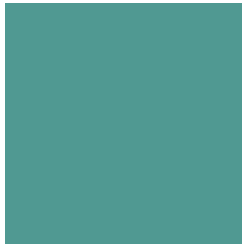
10.9330, 5.6274, 0.9062



0.1690, 0.0864, 0.0429

Previews

White Background



This preview shows how the XYZ color 19.8878, 26.5633, 31.2732 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 19.8878, 26.5633, 31.2732 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 19.8878, 26.5633, 31.2732

Background



This preview shows how black text looks on a background with the XYZ color 19.8878, 26.5633, 31.2732.

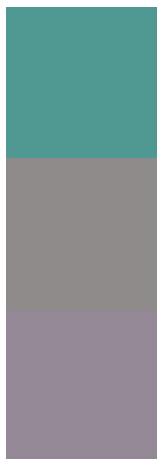


This preview shows how white text looks on a background with the XYZ color 19.8878, 26.5633,

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

19.8878, 26.5633, 31.2732

Protanopia

25.1478, 26.1399, 27.7648

Deuteranopia

26.7036, 26.1999, 32.5038



Tritanopia

21.4238, 26.7089, 38.6765

Trichromacy



Original Color

19.8878, 26.5633, 31.2732

Protanomaly

22.5267, 25.8627, 29.0040

Deuteranomaly

23.4100, 25.8010, 32.1800

Tritanomaly

20.8813, 26.7298, 35.9571

Monochromacy



Original Color

19.8878, 26.5633, 31.2732

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.2145, 23.3993, 26.7436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8878, 26.5633, 31.2732 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(80, 153, 146)` looks like.

```
.text, #text, p{  
    color:rgb(80, 153, 146)  
}
```

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(80, 153, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 153, 146) }
```

Border

The CSS property to change the border of an element to XYZ 19.8878, 26.5633, 31.2732 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(80, 153, 146) }
```


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

```
.border{ border-color:rgb(80, 153, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 153, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 153, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 153, 146);  
box-shadow:4px 4px 4px 4px rgb(80, 153,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8878, 26.5633, 31.2732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 153, 146) }
```

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

```
.background{ background-color: rgb(80, 153,  
146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor