

# Converting Colors

XYZ(19.7269, 26.6324, 30.1684)

Have a look what the booklet for  
XYZ(19.7269, 26.6324, 30.1684)  
contains.

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# Color

**XYZ(19.8218, 26.7998,  
30.1148)**

# Conversions

## Conversions Part 1

Format	Color
Hex	509A8F
RGB	80, 154, 143
RGB Percent	31%, 60%, 56%
CMY	0.6863, 0.3961, 0.4392
CMYK	0.48, 0.00, 0.07, 0.40
HSL	171°, 32%, 46%
HSV	171°, 48%, 60%
XYZ	19.8218, 26.7998, 30.1148
YIQ	130.6200, -40.5730, -19.1090

# Conversions

## Conversions Part 2

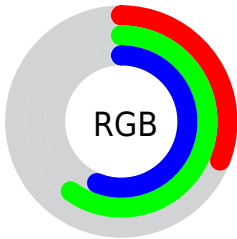
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	80, 120, 154
Decimal	5282447
CIE <sub>Lab</sub>	58.79, -25.86, -1.36
CIE <sub>LCh</sub>	59, 25.891, 183.015
Yxy	26.7998, 0.2583, 0.3492
Android (android.graphics.Color)	4283472527 (0xFF509A8F)
YUV	130.6200, 6.1033, -44.3937
Hunter-Lab	51.7685, -22.2485, 1.7478

# Details

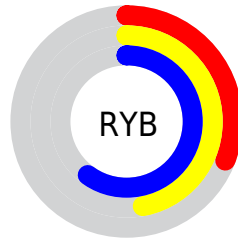
The XYZ color **19.8218, 26.7998, 30.1148** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.0843, 13.3635, 11.5248**, and the grayscale version is **21.4279, 22.5439, 24.5503**.

A 20% lighter version of the original color is **42.7100, 54.7005, 61.1305**, and **7.0364, 10.4525, 12.0026** is the 20% darker color. If you saturate the color by 10%, you get **18.4961, 26.1369, 29.1571**, and if you desaturate by 10%, it is **21.4506, 27.6199, 31.1064**.

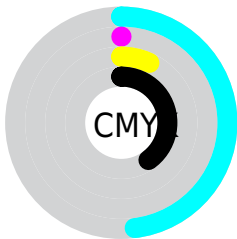
# Distribution



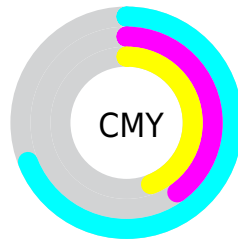
- Red (31%)
- Green (60%)
- Blue (56%)



- Red (31%)
- Yellow (47%)
- Blue (60%)



- Cyan (48%)
- Magenta (0%)
- Yellow (7%)
- Black (40%)



- Cyan (69%)
- Magenta (40%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8218, 26.7998, 30.1148 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 19.8218, 26.7998, 30.1148 by changing the saturation by 10% instead.



■ 19.8218, 26.7998,  
30.1148

■ 19.8218, 26.7998,  
30.1148

■ 243.8008,  
286.6865, 316.6631

■ 12.3731, 17.4229,  
19.6729

■ 42.6244, 54.5624,  
60.9068

■ 7.0723, 10.5365,  
11.9758

■ 58.7091, 73.7170,  
82.0941

■ 3.5541, 5.7561,  
6.6049

■ 78.4031, 96.8996,  
107.7002

■ 1.4531, 2.6973,  
3.1416

■ 102.0718,  
124.4946, 138.1438

■ 0.2936, 0.9758,  
1.1674

■ 130.0805,  
156.8863, 173.8433

■ 0.0000, 0.0000,  
0.0000

162.7947,

194.4593, 215.2174

200.5797,  
237.5979, 262.6845

■ 19.8218, 26.7998,  
30.1148

■ 19.8218, 26.7998,  
30.1148

■ 18.4961, 26.1369,  
29.1571

■ 21.4506, 27.6199,  
31.1064

■ 17.4505, 25.6173,  
28.2302

■ 23.3990, 28.6037,  
32.1309

■ 16.6626, 25.2301,  
27.3337


■ 25.6848, 29.7610,  
33.1899

■ 16.1052, 24.9614,  
26.4662


■ 28.3241, 31.1001,  
34.2843


■ 15.7280, 24.7852,  
25.6251


■ 31.3317, 32.6287,  
35.4148

 15.6600, 24.7536,  
25.4635

 34.7217, 34.3539,  
36.5822

 38.5075, 36.2828,  
37.7873

 42.7016, 38.4218,  
39.0307

 47.3162, 40.7771,  
40.3130

# Harmonies

## Analogous

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



20.3852, 26.7998, 21.9092



19.8218, 26.7998, 30.1148



20.6647, 26.7998, 39.8437

# Triad

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



19.8218, 26.7998, 30.1148



28.9650, 26.7998, 46.5405



28.3601, 26.7998, 16.1522

# Complementary

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



19.8218, 26.7998, 30.1148



18.0843, 13.3635, 11.5248

# 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.



30.9733, 26.7998, 20.6127



19.8218, 26.7998, 30.1148



31.3425, 26.7998, 37.9050

# Square

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



19.8218, 26.7998, 30.1148



25.7966, 26.7998, 50.4884



32.1062, 26.7998, 28.2656



25.1509, 26.7998, 14.9117



# Rectangle

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



19.8218, 26.7998, 30.1148



21.9556, 26.7998, 45.5936



32.1062, 26.7998, 28.2656



29.3461, 26.7998, 17.2713

# Sweetspot

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



19.8226, 26.8009, 30.1154



48.3875, 54.9388, 61.0319



17.3287, 25.9207, 11.6799



10.7393, 12.3271, 13.7238



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694



# Same Dimension

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



19.8226, 26.8009, 30.1154



33.3627, 47.3605, 52.7742



16.8741, 19.5040, 33.4482



6.3451, 7.0108, 7.7407



12.7685, 20.1708, 20.7992



0.2003, 0.3053, 0.3606



# Inverse Universe

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



18.0843, 13.3635, 11.5248



29.8236, 19.8745, 14.8293



19.9190, 17.7376, 9.9639



6.2444, 6.2369, 6.6670



10.9914, 5.6508, 1.2136

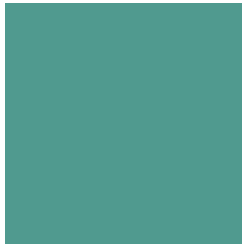


0.1727, 0.0878, 0.0623



# Previews

## White Background



This preview shows how the XYZ color 19.8218, 26.7998, 30.1148 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 19.8218, 26.7998, 30.1148 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 19.8218, 26.7998, 30.1148**

## **Background**



This preview shows how black text looks on a background with the XYZ color 19.8218, 26.7998, 30.1148.



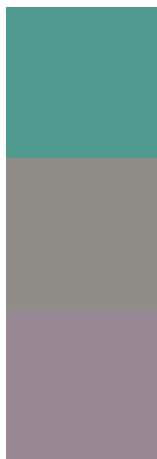
This preview shows how white text looks on a background with the XYZ color 19.8218, 26.7998,



# 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

19.8218, 26.7998, 30.1148

### Protanopia

25.2529, 26.4347, 26.6931

### Deuteranopia

27.0195, 26.3903, 31.2735



## Tritanopia

21.5152, 26.7560, 38.6808

# Trichromacy



**Original Color**

19.8218, 26.7998, 30.1148

**Protanomaly**

22.5980, 26.1507, 27.9013

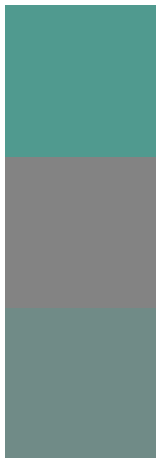
**Deuteranomaly**

23.6150, 26.1559, 30.9981

**Tritanomaly**

20.8851, 26.7416, 35.5134

# Monochromacy



**Original Color**

19.8218, 26.7998, 30.1148

**Achromatopsia**

21.5731, 22.6966, 24.7166

**Achromatomaly**

20.2879, 23.6593, 26.4191

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 19.8218, 26.7998, 30.1148 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, 154, 143)` looks like.

```
.text, #text, p{  
    color:rgb(80, 154, 143)  
}
```

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, 154, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 154, 143) }
```

## Border

The CSS property to change the border of an element to XYZ 19.8218, 26.7998, 30.1148 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, 154, 143) }
```



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

```
.border{ border-color:rgb(80, 154, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 154, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 154, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 154, 143);  
box-shadow:4px 4px 4px 4px rgb(80, 154,  
143) }
```

# Background

The CSS property to change the background color of an element to XYZ 19.8218, 26.7998, 30.1148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 154, 143) }
```

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

```
.background{ background-color: rgb(80, 154,  
143) }
```

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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