

Converting Colors

XYZ(19.2640, 28.2527, 33.4868)

Have a look what the booklet for
XYZ(19.2640, 28.2527, 33.4868)
contains.

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Color

**XYZ(19.2047, 28.1840,
33.2820)**

Conversions

Conversions Part 1

Format	Color
Hex	2AA196
RGB	42, 161, 150
RGB Percent	16%, 63%, 59%
CMY	0.8353, 0.3686, 0.4118
CMYK	0.74, 0.00, 0.07, 0.37
HSL	174°, 59%, 40%
HSV	174°, 74%, 63%
XYZ	19.2047, 28.1840, 33.2820
YIQ	124.1650, -67.3930, -28.6490

Conversions

Conversions Part 2

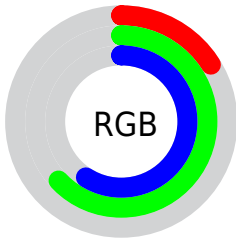
Format	Color
R_{YB}	42, 104, 161
Decimal	2793878
CIE _{Lab}	60.05, -34.42, -3.60
CIE _{LCh}	60, 34.609, 185.964
Yxy	28.1840, 0.2381, 0.3494
Android (android.graphics.Color)	4280983958 (0xFF2AA196)
YUV	124.1650, 12.7367, -72.0587
Hunter-Lab	53.0886, -28.3330, -0.0077

Details

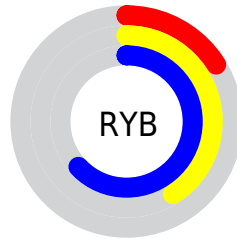
The XYZ color **19.2047, 28.1840, 33.2820** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.1694, 9.4908, 4.3487**, and the grayscale version is **19.1891, 20.1884, 21.9851**.

A 20% lighter version of the original color is **41.5184, 56.5972, 65.8628**, and **7.7208, 11.8381, 13.6824** is the 20% darker color. If you saturate the color by 10%, you get **18.5549, 27.8634, 32.6304**, and if you desaturate by 10%, it is **20.1222, 28.6437, 33.9553**.

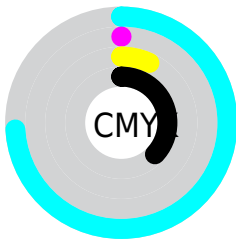
Distribution



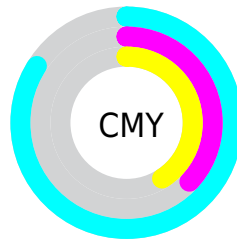
- Red (16%)
- Green (63%)
- Blue (59%)



- Red (16%)
- Yellow (41%)
- Blue (63%)



- Cyan (74%)
- Magenta (0%)
- Yellow (7%)
- Black (37%)



- Cyan (84%)
- Magenta (37%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2047, 28.1840, 33.2820 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 19.2047, 28.1840, 33.2820 by changing the saturation by 10% instead.

■ 19.2047, 28.1840,
33.2820

■ 19.2047, 28.1840,
33.2820

240.4930,
293.3451, 331.5894

■ 11.9232, 18.4644,
22.0697

■ 41.5939, 56.7781,
65.9366

■ 6.7632, 11.2839,
13.7093

■ 57.4323, 76.4213,
88.2160

■ 3.3595, 6.2581,
7.7823

■ 76.8537, 100.1413,
115.0215

■ 1.3466, 3.0027,
3.8702

■ 100.2234,
128.3223, 146.7716

■ 0.2177, 1.1331,
1.5544

■ 127.9069,
161.3488, 183.8850

■ 0.0000, 0.0060,
0.2580

160.2694,

■ 0.0000, 0.0000,

199.6052, 226.7800

0.0000

197.6763,
243.4758, 275.8753

■ 19.2047, 28.1840,
33.2820

■ 19.2047, 28.1840,
33.2820

■ 18.5549, 27.8634,
32.6304

■ 20.1222, 28.6437,
33.9553

■ 18.1364, 27.6613,
31.9970

■ 21.3332, 29.2539,
34.6497

■ 17.9428, 27.5697,
31.6179

■ 22.8633, 30.0284,
35.3671

■ 24.7346, 30.9786,
36.1084

■ 26.9671, 32.1149,
36.8747

■ 29.5795, 33.4467,
37.6669

■ 32.5889, 34.9831,
38.4858

■ 36.0116, 36.7324,
39.3322

■ 39.8629, 38.7025,
40.2068

Harmonies

Analogous

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



19.7625, 28.1840, 21.8163



19.2047, 28.1840, 33.2820



20.4910, 28.1840, 47.2835

Triad

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



19.2047, 28.1840, 33.2820



32.0859, 28.1840, 54.8549



30.3946, 28.1840, 13.4155

Complementary

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



19.2047, 28.1840, 33.2820



16.1694, 9.4908, 4.3487

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.



34.2587, 28.1840, 18.5154



19.2047, 28.1840, 33.2820



35.3078, 28.1840, 41.6868

Square

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



19.2047, 28.1840, 33.2820



27.6793, 28.1840, 61.7535



36.1435, 28.1840, 28.2316



25.9162, 28.1840, 12.3095

Rectangle

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



19.2047, 28.1840, 33.2820



22.3143, 28.1840, 55.5483



36.1435, 28.1840, 28.2316



31.8230, 28.1840, 14.6349

Sweetspot

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



19.2055, 28.1851, 33.2827



48.9503, 57.8473, 66.2465



14.6796, 26.4395, 6.5207



10.4962, 12.5649, 14.4520



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.



19.2055, 28.1851, 33.2827



32.6811, 49.6333, 57.6658



13.3386, 14.9662, 35.9052



7.2477, 7.9999, 8.9164



14.3378, 22.0215, 25.2932



0.3089, 0.4658, 0.5717

Inverse Universe

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



16.1694, 9.4908, 4.3487



27.0157, 14.3373, 3.3694



18.7394, 14.9903, 4.0968



7.0991, 7.0961, 7.5085



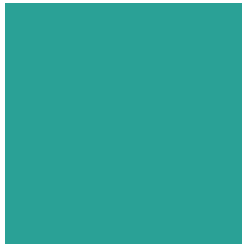
11.8143, 6.0818, 0.9470



0.2557, 0.1308, 0.0592

Previews

White Background



This preview shows how the XYZ color 19.2047, 28.1840, 33.2820 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 19.2047, 28.1840, 33.2820 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

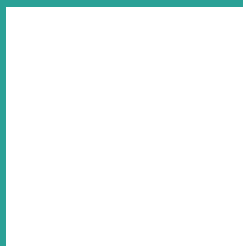
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.2047, 28.1840, 33.2820

Background



This preview shows how black text looks on a background with the XYZ color 19.2047, 28.1840, 33.2820.

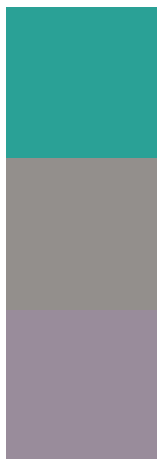


This preview shows how white text looks on a background with the XYZ color 19.2047, 28.1840,

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

19.2047, 28.1840, 33.2820

Protanopia

26.5887, 27.7414, 28.7642

Deuteranopia

28.4313, 27.8950, 34.8961



Tritanopia

21.1531, 28.2062, 42.8575

Trichromacy



Original Color

19.2047, 28.1840, 33.2820

Protanomaly

22.2471, 27.0775, 30.4395

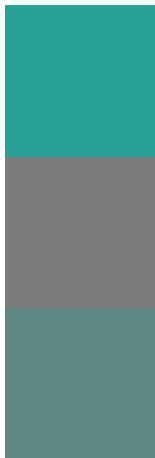
Deuteranomaly

23.1497, 26.9904, 34.1265

Tritanomaly

20.3244, 28.1187, 39.0066

Monochromacy



Original Color

19.2047, 28.1840, 33.2820

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

17.7954, 21.9645, 25.4919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2047, 28.1840, 33.2820 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(42, 161, 150)` looks like.

```
.text, #text, p{  
    color:rgb(42, 161, 150)  
}
```

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(42, 161, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 161, 150) }
```

Border

The CSS property to change the border of an element to XYZ 19.2047, 28.1840, 33.2820 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(42, 161, 150) }
```


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

```
.border{ border-color:rgb(42, 161, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 161, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 161, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 161, 150);  
box-shadow:4px 4px 4px 4px rgb(42, 161,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2047, 28.1840, 33.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 161, 150) }
```

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

```
.background{ background-color: rgb(42, 161,  
150) }
```

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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