

Converting Colors

XYZ(18.8219, 27.9925, 28.8843)

Have a look what the booklet for
XYZ(18.8219, 27.9925, 28.8843)
contains.

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Color

**XYZ(18.8733, 28.1107,
28.8573)**

Conversions

Conversions Part 1

Format	Color
Hex	35A18B
RGB	53, 161, 139
RGB Percent	21%, 63%, 55%
CMY	0.7921, 0.3686, 0.4549
CMYK	0.67, 0.00, 0.14, 0.37
HSL	168°, 50%, 42%
HSV	168°, 67%, 63%
XYZ	18.8733, 28.1107, 28.8573
YIQ	126.2000, -57.3060, -29.7380

Conversions

Conversions Part 2

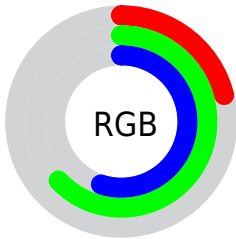
Format	Color
RYB	53, 113, 161
Decimal	3514763
CIELab	59.99, -35.83, 2.55
CIElCh	60, 35.925, 175.935
Yxy	28.1107, 0.2489, 0.3707
Android (android.graphics.Color)	4281704843 (0xFF35A18B)
YUV	126.2000, 6.3104, -64.1964
Hunter-Lab	53.0195, -29.2437, 4.8435

Details

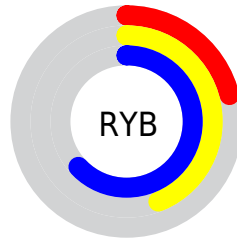
The XYZ color **18.8733, 28.1107, 28.8573** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.2420, 10.6321, 7.8012**, and the grayscale version is **19.8933, 20.9293, 22.7920**.

A 20% lighter version of the original color is **40.8803, 56.4282, 58.6063**, and **7.2718, 11.6585, 11.3183** is the 20% darker color. If you saturate the color by 10%, you get **17.9290, 27.6519, 27.5813**, and if you desaturate by 10%, it is **20.1107, 28.7212, 30.1859**.

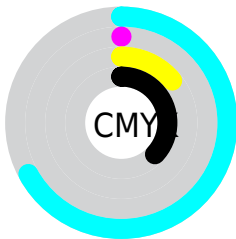
Distribution



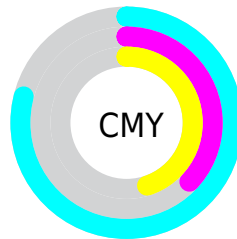
- Red (21%)
- Green (63%)
- Blue (55%)



- Red (21%)
- Yellow (44%)
- Blue (63%)



- Cyan (67%)
- Magenta (0%)
- Yellow (14%)
- Black (37%)



- Cyan (79%)
- Magenta (37%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8733, 28.1107, 28.8573 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 18.8733, 28.1107, 28.8573 by changing the saturation by 10% instead.

■ 18.8733, 28.1107,
28.8573

■ 18.8733, 28.1107,
28.8573

238.7000,
292.9955, 310.5809

■ 11.6822, 18.4091,
18.7282

■ 41.0384, 56.6611,
58.8898

■ 6.5983, 11.2441,
11.2993

■ 56.7432, 76.2788,
79.6303

■ 3.2563, 6.2313,
6.1518

■ 76.0166, 99.9706,
104.7450

■ 1.2907, 2.9862,
2.8673

■ 99.2239, 128.1209,
134.6525

■ 0.1762, 1.1245,
1.0273

■ 126.7305,
161.1142, 169.7713

■ 0.0000, 0.0000,
0.0000

158.9019,

199.3348, 210.5199

196.1032,
243.1671, 257.3169

■ 18.8733, 28.1107,
28.8573

■ 18.8733, 28.1107,
28.8573

■ 17.9290, 27.6519,
27.5813

■ 20.1107, 28.7212,
30.1859

■ 17.2456, 27.3260,
26.3540

■ 21.6646, 29.4933,
31.5665

■ 16.7774, 27.1103,
25.1737

■ 23.5586, 30.4399,
33.0012

■ 16.6550, 27.0545,
24.8365

■ 25.8136, 31.5717,
34.4912

■ 28.4485, 32.8986,
36.0379

■ 31.4811, 34.4296,
37.6423

■ 34.9280, 36.1733,
39.3055

■ 38.8047, 38.1377,
41.0285

■ 43.1262, 40.3305,
42.8123

Harmonies

Analogous

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



20.0771, 28.1107, 18.5596



18.8733, 28.1107, 28.8573



19.5663, 28.1107, 42.9930

Triad

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



18.8733, 28.1107, 28.8573



30.7508, 28.1107, 59.2933



31.9516, 28.1107, 14.1290

Complementary

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



18.8733, 28.1107, 28.8573



17.2420, 10.6321, 7.8012

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.



35.4301, 28.1107, 20.8637



18.8733, 28.1107, 28.8573



34.6832, 28.1107, 46.9883

Square

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



18.8733, 28.1107, 28.8573



26.1000, 28.1107, 63.2189



36.4824, 28.1107, 32.4276



27.3465, 28.1107, 11.7356

Rectangle

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



18.8733, 28.1107, 28.8573



21.0585, 28.1107, 52.4987



36.4824, 28.1107, 32.4276



33.3110, 28.1107, 15.8463

Sweetspot

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



18.8741, 28.1118, 28.8580



49.3139, 58.0934, 63.6139



16.4008, 27.3009, 7.7740



10.5417, 12.6030, 13.7915



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.



18.8741, 28.1118, 28.8580



31.5125, 49.2345, 48.4109



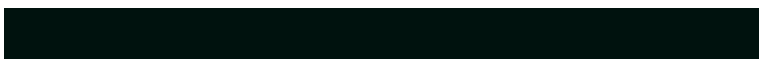
15.9381, 19.4031, 36.6246



7.2140, 7.9864, 8.7387



13.3162, 21.6128, 19.9134



0.2946, 0.4601, 0.4964

Inverse Universe

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



17.2420, 10.6321, 7.8012



28.4454, 15.7335, 8.3566



18.4809, 14.1138, 5.1190



7.1301, 7.1085, 7.6713



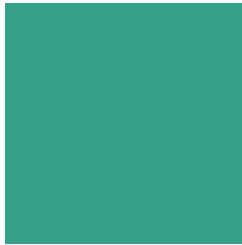
11.9682, 6.1433, 1.7574



0.2666, 0.1351, 0.1165

Previews

White Background



This preview shows how the XYZ color 18.8733, 28.1107, 28.8573 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 18.8733, 28.1107, 28.8573 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 18.8733, 28.1107, 28.8573

Background



This preview shows how black text looks on a background with the XYZ color 18.8733, 28.1107, 28.8573.

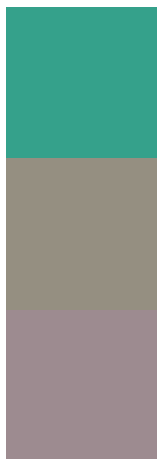


This preview shows how white text looks on a background with the XYZ color 18.8733, 28.1107,

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

18.8733, 28.1107, 28.8573

Protanopia

26.1793, 27.6195, 24.7202

Deuteranopia

28.1713, 27.6470, 30.2372



Tritanopia

21.5331, 28.1718, 41.8389

Trichromacy



Original Color

18.8733, 28.1107, 28.8573

Protanomaly

22.0794, 27.0836, 26.2542

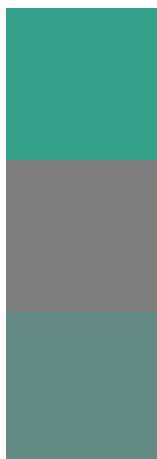
Deuteranomaly

22.9240, 26.7424, 29.5448

Tritanomaly

20.3850, 27.9465, 36.6676

Monochromacy



Original Color

18.8733, 28.1107, 28.8573

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.4749, 22.7566, 24.8915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8733, 28.1107, 28.8573 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(53, 161, 139)` looks like.

```
.text, #text, p{  
    color:rgb(53, 161, 139)  
}
```

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(53, 161, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 161, 139) }
```

Border

The CSS property to change the border of an element to XYZ 18.8733, 28.1107, 28.8573 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(53, 161, 139) }
```


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

```
.border{ border-color:rgb(53, 161, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 161, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 161, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 161, 139);  
box-shadow:4px 4px 4px 4px rgb(53, 161,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8733, 28.1107, 28.8573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 161, 139) }
```

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

```
.background{ background-color: rgb(53, 161,  
139) }
```

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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