

Converting Colors

XYZ(18.5094, 26.1318, 34.8020)

Have a look what the booklet for
XYZ(18.5094, 26.1318, 34.8020)
contains.

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Color

**XYZ(18.3846, 25.9579,
34.6133)**

Conversions

Conversions Part 1

Format	Color
Hex	2B9A9A
RGB	43, 154, 154
RGB Percent	17%, 60%, 60%
CMY	0.8313, 0.3961, 0.3961
CMYK	0.72, 0.00, 0.00, 0.40
HSL	180°, 56%, 39%
HSV	180°, 72%, 60%
XYZ	18.3846, 25.9579, 34.6133
YIQ	120.8110, -66.1560, -23.5320

Conversions

Conversions Part 2

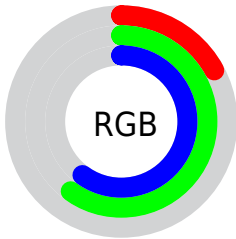
Format	Color
RYB	43, 99, 154
Decimal	2857626
CIELab	58.00, -29.79, -8.92
CIELCh	58, 31.096, 196.662
Yxy	25.9579, 0.2328, 0.3288
Android (android.graphics.Color)	4281047706 (0xFF2B9A9A)
YUV	120.8110, 16.3622, -68.2402
Hunter-Lab	50.9489, -24.7499, -4.6158

Details

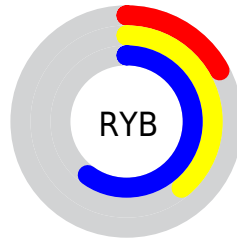
The XYZ color **18.3846, 25.9579, 34.6133** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.6272, 8.7730, 3.2087**, and the grayscale version is **18.0781, 19.0196, 20.7123**.

A 20% lighter version of the original color is **40.2490, 53.2808, 67.8374**, and **7.1996, 10.4820, 14.4757** is the 20% darker color. If you saturate the color by 10%, you get **17.8570, 25.6865, 34.5891**, and if you desaturate by 10%, it is **19.1575, 26.3569, 34.6501**.

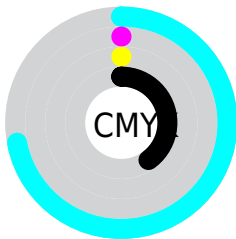
Distribution



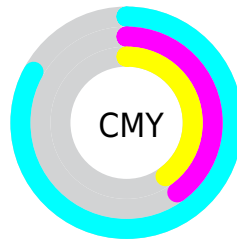
- Red (17%)
- Green (60%)
- Blue (60%)



- Red (17%)
- Yellow (39%)
- Blue (60%)



- Cyan (72%)
- Magenta (0%)
- Yellow (0%)
- Black (40%)



- Cyan (83%)
- Magenta (40%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3846, 25.9579, 34.6133 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 18.3846, 25.9579, 34.6133 by changing the saturation by 10% instead.

■ 18.3846, 25.9579,
34.6133

■ 18.3846, 25.9579,
34.6133

236.0339,
282.5754, 337.7104

■ 11.3278, 16.7921,
23.0840

■ 40.2166, 53.2070,
68.0310

■ 6.3567, 10.0864,
14.4496

■ 55.7224, 72.0592,
90.7565

■ 3.1059, 5.4563,
8.2918

■ 74.7754, 94.9089,
118.0512

■ 1.2100, 2.5174,
4.1918

■ 97.7408, 122.1407,
150.3335

■ 0.1142, 0.8853,
1.7311

■ 124.9840,
154.1388, 188.0220

■ 0.0000, 0.0000,
0.3819

156.8703,

■ 0.0000, 0.0000,

191.2877, 231.5353

0.0000

193.7652,
233.9717, 281.2920

■ 18.3846, 25.9579,
34.6133

■ 18.3846, 25.9579,
34.6133

■ 17.8570, 25.6865,
34.5891

■ 19.1575, 26.3569,
34.6501

■ 17.5433, 25.5248,
34.5744

■ 20.1981, 26.8934,
34.6989

■ 17.3888, 25.4451,
34.5671

■ 21.5287, 27.5793,
34.7612

■ 23.1686, 28.4247,
34.8381

■ 25.1358, 29.4388,
34.9302

■ 27.4464, 30.6300,
35.0384

■ 30.1159, 32.0062,
35.1634

■ 33.1586, 33.5748,
35.3059

■ 36.5882, 35.3427,
35.4665

Harmonies

Analogous

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



18.2957, 25.9579, 23.7592



18.3846, 25.9579, 34.6133



20.0437, 25.9579, 46.1172

Triad

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



18.3846, 25.9579, 34.6133



30.3017, 25.9579, 44.9520



26.3746, 25.9579, 12.5466

Complementary

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



18.3846, 25.9579, 34.6133



14.6272, 8.7730, 3.2087

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.



29.9634, 25.9579, 15.7396



18.3846, 25.9579, 34.6133



32.3809, 25.9579, 33.3044

Square

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



18.3846, 25.9579, 34.6133



26.7997, 25.9579, 53.0455



32.2512, 25.9579, 22.7424



22.6604, 25.9579, 12.7281

Rectangle

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



18.3846, 25.9579, 34.6133



21.9225, 25.9579, 51.8031



32.2512, 25.9579, 22.7424



27.6427, 25.9579, 13.2178

Sweetspot

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



18.3854, 25.9589, 34.6139



45.5175, 53.4029, 63.4448



13.0681, 23.8411, 6.1992



10.0890, 11.9773, 14.3504



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.



18.3854, 25.9589, 34.6139



32.0716, 46.4713, 62.8146



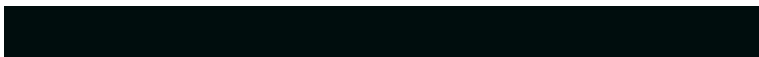
11.4207, 12.0294, 32.2929



6.3846, 7.0266, 7.9487



14.1666, 20.7301, 28.1617



0.2118, 0.3099, 0.4210

Inverse Universe

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



14.6272, 8.7730, 3.2087



24.8407, 13.4050, 2.3897



18.0059, 15.5304, 4.3348



6.2088, 6.2227, 6.4797



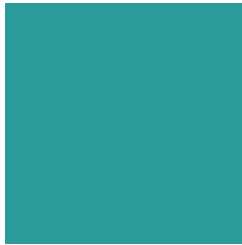
10.8574, 5.5972, 0.5082



0.1623, 0.0837, 0.0076

Previews

White Background



This preview shows how the XYZ color 18.3846, 25.9579, 34.6133 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 18.3846, 25.9579, 34.6133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

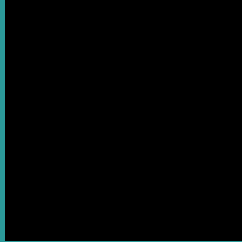
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.3846, 25.9579, 34.6133

Background



This preview shows how black text looks on a background with the XYZ color 18.3846, 25.9579, 34.6133.

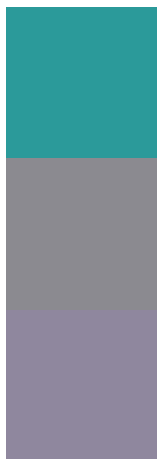


This preview shows how white text looks on a background with the XYZ color 18.3846, 25.9579,

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

18.3846, 25.9579, 34.6133

Protanopia

24.7700, 25.6795, 30.0367

Deuteranopia

26.1632, 25.6362, 35.9171



Tritanopia

19.3352, 25.8512, 39.5680

Trichromacy



Original Color

18.3846, 25.9579, 34.6133

Protanomaly

21.0275, 25.0277, 31.7395

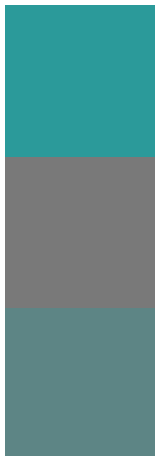
Deuteranomaly

21.8222, 24.9061, 35.5555

Tritanomaly

18.9965, 25.9600, 37.7278

Monochromacy



Original Color

18.3846, 25.9579, 34.6133

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.1354, 20.7957, 25.3011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3846, 25.9579, 34.6133 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(43, 154, 154)` looks like.

```
.text, #text, p{  
    color:rgb(43, 154, 154)  
}
```

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(43, 154, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 154, 154) }
```

Border

The CSS property to change the border of an element to XYZ 18.3846, 25.9579, 34.6133 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(43, 154, 154) }
```


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

```
.border{ border-color:rgb(43, 154, 154) }
```

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

Here you see how a box with a 4 pixel rgb(43, 154, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 154, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 154, 154);  
box-shadow:4px 4px 4px 4px rgb(43, 154,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3846, 25.9579, 34.6133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 154, 154) }
```

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

```
.background{ background-color: rgb(43, 154,  
154) }
```

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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