

Converting Colors

XYZ(18.4853, 25.1732, 39.4819)

Have a look what the booklet for
XYZ(18.4853, 25.1732, 39.4819)
contains.

XYZ(18.4853, 25.1732, 39.4819)	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(18.4853, 25.1732,
39.4819)**

Conversions

Conversions Part 1

Format	Color
Hex	2197A5
RGB	33, 151, 165
RGB Percent	13%, 59%, 65%
CMY	0.8706, 0.4078, 0.3529
CMYK	0.80, 0.08, 0.00, 0.35
HSL	186°, 67%, 39%
HSV	186°, 80%, 65%
XYZ	18.4853, 25.1732, 39.4819
YIQ	117.3140, -74.8220, -20.6620

Conversions

Conversions Part 2

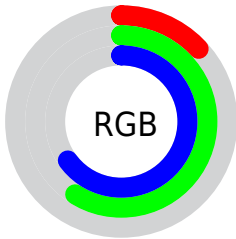
Format	Color
R_{YB}	33, 95, 165
Decimal	2201509
CIE _{Lab}	57.24, -26.02, -16.34
CIE _{LCh}	57, 30.720, 212.125
Yxy	25.1732, 0.2223, 0.3028
Android (android.graphics.Color)	4280391589 (0xFF2197A5)
YUV	117.3140, 23.5092, -73.9434
Hunter-Lab	50.1729, -22.0375, -11.5353

Details

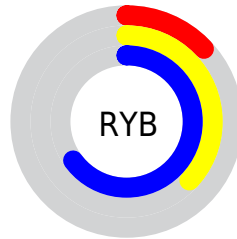
The XYZ color **18.4853, 25.1732, 39.4819** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.8087, 10.1429, 2.5114**, and the grayscale version is **16.9530, 17.8359, 19.4233**.

A 20% lighter version of the original color is **40.4691, 52.1347, 75.6402**, and **7.5378, 10.3066, 17.2149** is the 20% darker color. If you saturate the color by 10%, you get **17.8015, 24.4062, 39.3704**, and if you desaturate by 10%, it is **19.4337, 26.0838, 39.6082**.

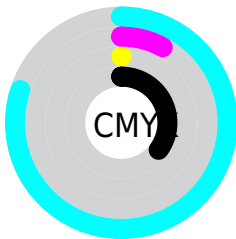
Distribution



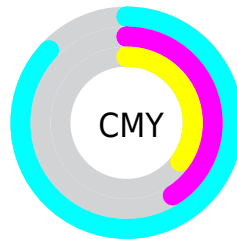
- Red (13%)
- Green (59%)
- Blue (65%)



- Red (13%)
- Yellow (37%)
- Blue (65%)



- Cyan (80%)
- Magenta (8%)
- Yellow (0%)
- Black (35%)



- Cyan (87%)
- Magenta (41%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4853, 25.1732, 39.4819 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 18.4853, 25.1732, 39.4819 by changing the saturation by 10% instead.

■ 18.4853, 25.1732,
39.4819

■ 18.4853, 25.1732,
39.4819

■ 236.5854,
278.6994, 359.4219

■ 11.4008, 16.2061,
26.8241

■ 40.3862, 51.9381,
75.6024

■ 6.4063, 9.6701,
17.2099

■ 55.9332, 70.5047,
99.9021

■ 3.1367, 5.1808,
10.2207

■ 75.0318, 93.0399,
128.9196

■ 1.2265, 2.3537,
5.4380

■ 98.0473, 119.9282,
163.0733

■ 0.1271, 0.8019,
2.4433

■ 125.3451,
151.5538, 202.7819

■ 0.0000, 0.0000,
0.8099

■ 157.2904,

■ 0.0000, 0.0000,

188.3013, 248.4639

0.0000

194.2488,
230.5551, 300.5377

■ 18.4853, 25.1732,
39.4819

■ 18.4853, 25.1732,
39.4819

■ 17.8015, 24.4062,
39.3704

■ 19.4337, 26.0838,
39.6082

■ 17.3038, 23.7408,
39.2682

■ 20.6777, 27.1526,
39.7489

■ 17.3035, 23.7404,
39.2681

■ 22.2466, 28.3951,
39.9060

■ 24.1654, 29.8243,
40.0807

■ 26.4569, 31.4518,
40.2741

■ 29.1416, 33.2885,
40.4871

■ 32.2387, 35.3441,
40.7207

■ 35.7661, 37.6279,
40.9756

■ 39.7407, 40.1487,
41.2527

Harmonies

Analogous

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



17.6033, 25.1732, 28.1579



18.4853, 25.1732, 39.4819



20.8071, 25.1732, 49.1666

Triad

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



18.4853, 25.1732, 39.4819



30.6468, 25.1732, 37.8657



23.6683, 25.1732, 11.8855

Complementary

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



18.4853, 25.1732, 39.4819



16.8087, 10.1429, 2.5114

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.



27.3427, 25.1732, 13.2569



18.4853, 25.1732, 39.4819



31.6068, 25.1732, 26.6742

Square

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



18.4853, 25.1732, 39.4819



27.8361, 25.1732, 48.0796



30.3423, 25.1732, 18.0889



20.4011, 25.1732, 13.7192

Rectangle

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



18.4853, 25.1732, 39.4819



22.9821, 25.1732, 52.3822



30.3423, 25.1732, 18.0889



24.8961, 25.1732, 11.9859

Sweetspot

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



18.4861, 25.1741, 39.4825



49.9635, 58.1072, 72.3348



14.5800, 27.4330, 7.1330



10.5737, 12.4634, 15.7859



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.4861, 25.1741, 39.4825



31.2061, 42.7920, 70.3673



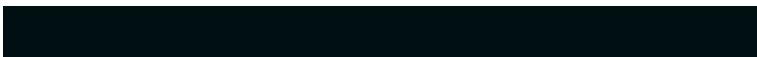
10.7314, 9.6647, 36.8976



7.2117, 7.8823, 9.0444



13.1118, 18.0031, 29.7137



0.2926, 0.4125, 0.6301

Inverse Universe

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



21.6475, 11.3221, 30.3236



37.4409, 18.3354, 51.6627



21.6086, 19.7427, 4.1113



7.3318, 7.1892, 8.7337



15.7637, 7.6615, 21.7441



0.3399, 0.1644, 0.5024

Previews

White Background



This preview shows how the XYZ color 18.4853, 25.1732, 39.4819 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 18.4853, 25.1732, 39.4819 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

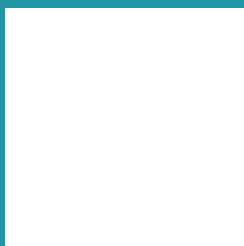
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4853, 25.1732, 39.4819

Background



This preview shows how black text looks on a background with the XYZ color 18.4853, 25.1732, 39.4819.

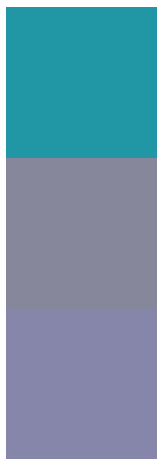


This preview shows how white text looks on a background with the XYZ color 18.4853, 25.1732,

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

18.4853, 25.1732, 39.4819

Protanopia

24.4119, 24.7628, 34.5034

Deuteranopia

25.3594, 24.9013, 41.0060



Tritanopia

18.3631, 25.1206, 39.0029

Trichromacy



Original Color

18.4853, 25.1732, 39.4819



Protanomaly

20.7126, 24.0943, 36.3599



Deuteranomaly

21.3757, 24.1247, 40.5757



Tritanomaly

18.3631, 25.1206, 39.0029

Monochromacy



Original Color

18.4853, 25.1732, 39.4819



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.9911, 19.4002, 25.4560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4853, 25.1732, 39.4819 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(33, 151, 165)` looks like.

```
.text, #text, p{  
    color:rgb(33, 151, 165)  
}
```

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(33, 151, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 151, 165) }
```

Border

The CSS property to change the border of an element to XYZ 18.4853, 25.1732, 39.4819 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(33, 151, 165) }
```


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

```
.border{ border-color:rgb(33, 151, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 151, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 151, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 151, 165);  
box-shadow:4px 4px 4px 4px rgb(33, 151,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4853, 25.1732, 39.4819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 151, 165) }
```

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

```
.background{ background-color: rgb(33, 151,  
165) }
```

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