

Converting Colors

XYZ(18.9390, 25.9887, 36.7783)

Have a look what the booklet for
XYZ(18.9390, 25.9887, 36.7783)
contains.

XYZ(18.9159, 25.9386, 36.8106)	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(18.9159, 25.9386,
36.8106)**

Conversions

Conversions Part 1

Format	Color
Hex	31999F
RGB	49, 153, 159
RGB Percent	19%, 60%, 62%
CMY	0.8078, 0.4000, 0.3765
CMYK	0.69, 0.04, 0.00, 0.38
HSL	183°, 53%, 41%
HSV	183°, 69%, 62%
XYZ	18.9159, 25.9386, 36.8106
YIQ	122.5880, -63.9100, -20.1820

Conversions

Conversions Part 2

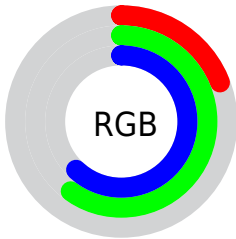
Format	Color
R _Y B	49, 102, 159
Decimal	3250591
CIE Lab	57.98, -26.95, -11.78
CIE LCh	58, 29.413, 203.604
Yxy	25.9386, 0.2316, 0.3176
Android (android.graphics.Color)	4281440671 (0xFF31999F)
YUV	122.5880, 17.9511, -64.5367
Hunter-Lab	50.9300, -22.8307, -7.2020

Details

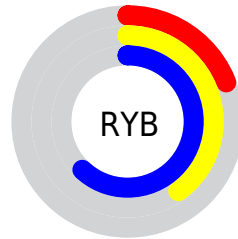
The XYZ color **18.9159, 25.9386, 36.8106** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.2194, 10.3259, 4.0449**, and the grayscale version is **18.6502, 19.6214, 21.3677**.

A 20% lighter version of the original color is **41.2490, 53.3463, 71.7411**, and **7.3605, 10.3901, 15.8049** is the 20% darker color. If you saturate the color by 10%, you get **18.1389, 25.3287, 36.7343**, and if you desaturate by 10%, it is **19.9660, 26.6920, 36.9012**.

Distribution



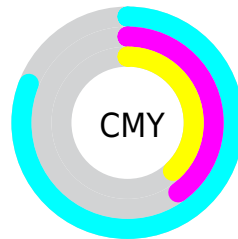
- Red (19%)
- Green (60%)
- Blue (62%)



- Red (19%)
- Yellow (40%)
- Blue (62%)



- Cyan (69%)
- Magenta (4%)
- Yellow (0%)
- Black (38%)



- Cyan (81%)
- Magenta (40%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9159, 25.9386, 36.8106 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 18.9159, 25.9386, 36.8106 by changing the saturation by 10% instead.

■ 18.9159, 25.9386,
36.8106

■ 18.9159, 25.9386,
36.8106

238.9311,
282.4805, 347.6338

■ 11.7132, 16.7777,
24.7662

■ 41.1099, 53.1759,
71.4645

■ 6.6195, 10.0761,
15.6856

■ 56.8319, 72.0211,
94.9110

■ 3.2695, 5.4495,
9.1500

■ 76.1244, 94.8631,
122.9955

■ 1.2978, 2.5133,
4.7410

■ 99.3527, 122.0865,
156.1362

■ 0.1816, 0.8833,
2.0400

■ 126.8821,
154.0755, 194.7519

■ 0.0000, 0.0000,
0.5797

159.0781,

■ 0.0000, 0.0000,

191.2146, 239.2610

0.0000

196.3060,
233.8881, 290.0821

■ 18.9159, 25.9386,
36.8106

■ 18.9159, 25.9386,
36.8106

■ 18.1389, 25.3287,
36.7343

■ 19.9660, 26.6920,
36.9012

■ 17.6028, 24.8438,
36.6690

■ 21.3126, 27.5992,
37.0053

■ 17.2449, 24.4524,
36.6123

■ 22.9789, 28.6728,
37.1247

■ 17.2171, 24.4212,
36.6077

■ 24.9855, 29.9233,
37.2603

■ 27.3511, 31.3605,
37.4130

■ 30.0931, 32.9932,
37.5836

■ 33.2277, 34.8299,
37.7730

■ 36.7702, 36.8784,
37.9816

■ 40.7351, 39.1462,
38.2104

Harmonies

Analogous

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



18.4766, 25.9386, 26.1215



18.9159, 25.9386, 36.8106



20.8233, 25.9386, 47.0696

Triad

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



18.9159, 25.9386, 36.8106



30.5631, 25.9386, 41.4949



25.4217, 25.9386, 12.9357

Complementary

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



18.9159, 25.9386, 36.8106



16.2194, 10.3259, 4.0449

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.



28.9276, 25.9386, 15.2543



18.9159, 25.9386, 36.8106



32.0741, 25.9386, 30.4758

Square

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



18.9159, 25.9386, 36.8106



27.4877, 25.9386, 50.1961



31.4486, 25.9386, 21.1196



22.0218, 25.9386, 13.8557

Rectangle

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



18.9159, 25.9386, 36.8106



22.7778, 25.9386, 51.4388



31.4486, 25.9386, 21.1196



26.6302, 25.9386, 13.3397

Sweetspot

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



18.9167, 25.9396, 36.8112



47.9842, 55.5614, 66.9388



14.3432, 25.7210, 7.7615



10.5652, 12.3731, 15.0751



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.



18.9167, 25.9396, 36.8112



31.9162, 44.8657, 65.7212



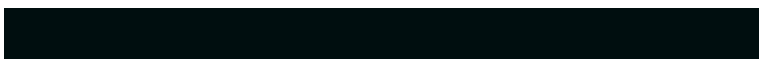
11.9402, 11.9866, 34.4857



6.7909, 7.4475, 8.4863



13.6084, 19.3083, 28.9169



0.2518, 0.3621, 0.5199

Inverse Universe

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



21.1469, 11.8683, 31.3142



36.3119, 18.4498, 54.5908



20.3754, 18.6380, 5.4302



6.8885, 6.7483, 8.2641



15.6671, 7.5714, 23.5617



0.2844, 0.1371, 0.4437

Previews

White Background



This preview shows how the XYZ color 18.9159, 25.9386, 36.8106 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 18.9159, 25.9386, 36.8106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

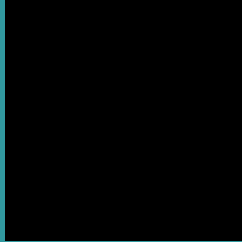
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.9159, 25.9386, 36.8106

Background



This preview shows how black text looks on a background with the XYZ color 18.9159, 25.9386, 36.8106.



This preview shows how white text looks on a background with the XYZ color 18.9159, 25.9386,

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

18.9159, 25.9386, 36.8106

Protanopia

24.9945, 25.7502, 32.0867

Deuteranopia

26.0900, 25.5477, 38.2064



Tritanopia

19.3453, 25.8669, 39.0952

Trichromacy



Original Color

18.9159, 25.9386, 36.8106

Protanomaly

21.5161, 25.0090, 33.8302

Deuteranomaly

22.2580, 25.0804, 37.8503

Tritanomaly

19.1151, 25.7689, 38.1488

Monochromacy



Original Color

18.9159, 25.9386, 36.8106

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.7929, 21.3146, 26.4689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9159, 25.9386, 36.8106 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(49, 153, 159)` looks like.

```
.text, #text, p{  
    color:rgb(49, 153, 159)  
}
```

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(49, 153, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 153, 159) }
```

Border

The CSS property to change the border of an element to XYZ 18.9159, 25.9386, 36.8106 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(49, 153, 159) }
```


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

```
.border{ border-color:rgb(49, 153, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 153, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 153, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 153, 159);  
box-shadow:4px 4px 4px 4px rgb(49, 153,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9159, 25.9386, 36.8106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 153, 159) }
```

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

```
.background{ background-color: rgb(49, 153,  
159) }
```

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