

Converting Colors

XYZ(19.3106, 26.8667, 35.9434)

Have a look what the booklet for
XYZ(19.3106, 26.8667, 35.9434)
contains.

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Color

**XYZ(19.3395, 26.9151,
36.0741)**

Conversions

Conversions Part 1

Format	Color
Hex	339C9D
RGB	51, 156, 157
RGB Percent	20%, 61%, 62%
CMY	0.8000, 0.3882, 0.3843
CMYK	0.68, 0.01, 0.00, 0.38
HSL	181°, 51%, 41%
HSV	181°, 68%, 62%
XYZ	19.3395, 26.9151, 36.0741
YIQ	124.7190, -62.9010, -21.9490

Conversions

Conversions Part 2

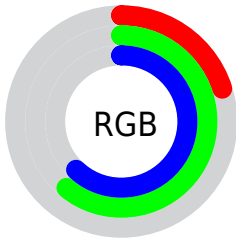
Format	Color
RYB	51, 104, 157
Decimal	3382429
CIELab	58.90, -28.74, -9.26
CIElCh	59, 30.197, 197.859
Yxy	26.9151, 0.2349, 0.3269
Android (android.graphics.Color)	4281572509 (0xFF339C9D)
YUV	124.7190, 15.9145, -64.6516
Hunter-Lab	51.8798, -24.2492, -4.9109

Details

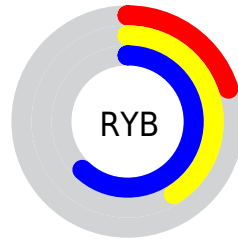
The XYZ color **19.3395, 26.9151, 36.0741** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.7307, 9.8636, 4.2074**, and the grayscale version is **19.3629, 20.3712, 22.1843**.

A 20% lighter version of the original color is **41.7342, 54.7364, 69.9936**, and **7.5518, 10.9412, 15.3495** is the 20% darker color. If you saturate the color by 10%, you get **18.6535, 26.5253, 36.0355**, and if you desaturate by 10%, it is **20.2942, 27.4447, 36.1265**.

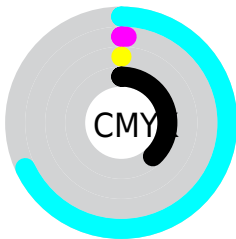
Distribution



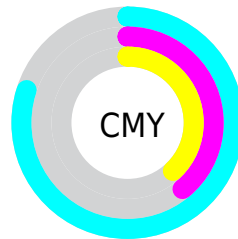
- Red (20%)
- Green (61%)
- Blue (62%)



- Red (20%)
- Yellow (41%)
- Blue (62%)



- Cyan (68%)
- Magenta (1%)
- Yellow (0%)
- Black (38%)



- Cyan (80%)
- Magenta (39%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3395, 26.9151, 36.0741 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 19.3395, 26.9151, 36.0741 by changing the saturation by 10% instead.

■ 19.3395, 26.9151,
36.0741

■ 19.3395, 26.9151,
36.0741

241.2189,
287.2458, 344.3315

■ 12.0213, 17.5095,
24.2013

■ 41.8194, 54.7476,
70.3168

■ 6.8305, 10.5984,
15.2694

■ 57.7119, 73.9433,
93.5237

■ 3.4017, 5.7975,
8.8600

■ 77.1932, 97.1711,
121.3457

■ 1.3696, 2.7223,
4.5544

■ 100.6286,
124.8154, 154.2014

■ 0.2344, 0.9885,
1.9341

■ 128.3835,
157.2606, 192.5093

■ 0.0000, 0.0000,
0.5143

160.8233,

■ 0.0000, 0.0000,

194.8912, 236.6879

0.0000

198.3133,
238.0914, 287.1558

■ 19.3395, 26.9151,
36.0741

■ 19.3395, 26.9151,
36.0741

■ 18.6535, 26.5253,
36.0355

■ 20.2942, 27.4447,
36.1265

■ 18.2057, 26.2576,
36.0074

■ 21.5396, 28.1236,
36.1919

■ 17.9494, 26.0887,
35.9884

■ 23.0978, 28.9639,
36.2720

■ 17.8943, 26.0512,
35.9840

■ 24.9885, 29.9756,
36.3676

■ 27.2296, 31.1680,
36.4796

■ 29.8377, 32.5496,
36.6088

■ 32.8283, 34.1284,
36.7560

■ 36.2162, 35.9121,
36.9217

■ 40.0153, 37.9079,
37.1067

Harmonies

Analogous

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



19.1861, 26.9151, 25.1913



19.3395, 26.9151, 36.0741



21.0614, 26.9151, 47.3468

Triad

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



19.3395, 26.9151, 36.0741



31.2827, 26.9151, 45.3778



27.1217, 26.9151, 13.4514

Complementary

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



19.3395, 26.9151, 36.0741



15.7307, 9.8636, 4.2074

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.



30.7072, 26.9151, 16.5519



19.3395, 26.9151, 36.0741



33.2615, 26.9151, 33.8460

Square

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



19.3395, 26.9151, 36.0741



27.8473, 26.9151, 53.5532



33.0411, 26.9151, 23.4422



23.4430, 26.9151, 13.7698

Rectangle

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



19.3395, 26.9151, 36.0741



22.9707, 26.9151, 52.7718



33.0411, 26.9151, 23.4422



28.3840, 26.9151, 14.0897

Sweetspot

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



19.3403, 26.9161, 36.0747



47.5460, 55.1706, 65.2698



14.0203, 25.0573, 7.2302



10.2297, 12.0163, 14.3506



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.



19.3403, 26.9161, 36.0747



32.9515, 47.2358, 64.5074



12.4021, 13.0396, 33.7620



6.8165, 7.4988, 8.4948



14.5349, 21.1613, 29.2257



0.2614, 0.3814, 0.5231

Inverse Universe

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



21.0899, 11.9367, 32.6461



36.3328, 18.5580, 57.8199



19.4531, 17.3086, 5.4482



6.9015, 6.7535, 8.3323



16.1347, 7.7585, 26.0243



0.2893, 0.1390, 0.4694

Previews

White Background



This preview shows how the XYZ color 19.3395, 26.9151, 36.0741 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 19.3395, 26.9151, 36.0741 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

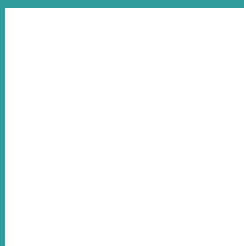
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3395, 26.9151, 36.0741

Background



This preview shows how black text looks on a background with the XYZ color 19.3395, 26.9151, 36.0741.

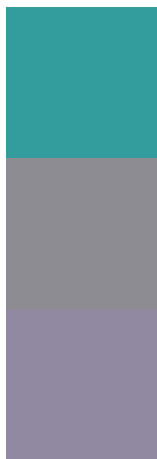


This preview shows how white text looks on a background with the XYZ color 19.3395, 26.9151,

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

19.3395, 26.9151, 36.0741

Protanopia

25.6290, 26.5255, 31.3729

Deuteranopia

27.0557, 26.4843, 37.4042



Tritanopia

20.1615, 26.7420, 40.6583

Trichromacy



Original Color

19.3395, 26.9151, 36.0741

Protanomaly

22.0491, 25.9803, 33.1307

Deuteranomaly

22.8740, 25.8641, 37.0444

Tritanomaly

19.8535, 26.8713, 38.7906

Monochromacy



Original Color

19.3395, 26.9151, 36.0741

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.3565, 22.0111, 26.9480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3395, 26.9151, 36.0741 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(51, 156, 157)` looks like.

```
.text, #text, p{  
    color:rgb(51, 156, 157)  
}
```

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(51, 156, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 156, 157) }
```

Border

The CSS property to change the border of an element to XYZ 19.3395, 26.9151, 36.0741 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(51, 156, 157) }
```


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

```
.border{ border-color:rgb(51, 156, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 156, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 156, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 156, 157);  
box-shadow:4px 4px 4px 4px rgb(51, 156,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3395, 26.9151, 36.0741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 156, 157) }
```

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

```
.background{ background-color: rgb(51, 156,  
157) }
```

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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