

Converting Colors

XYZ(19.9835, 26.7300, 36.8659)

Have a look what the booklet for
XYZ(19.9835, 26.7300, 36.8659)
contains.

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Color

**XYZ(19.9936, 26.7382,
36.9081)**

Conversions

Conversions Part 1

Format	Color
Hex	419A9F
RGB	65, 154, 159
RGB Percent	25%, 60%, 62%
CMY	0.7451, 0.3961, 0.3765
CMYK	0.59, 0.03, 0.00, 0.38
HSL	183°, 42%, 44%
HSV	183°, 59%, 62%
XYZ	19.9936, 26.7382, 36.9081
YIQ	127.9590, -54.6490, -17.3130

Conversions

Conversions Part 2

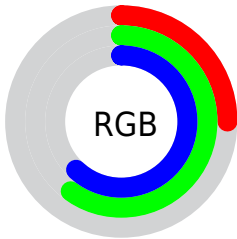
Format	Color
R _{YB}	65, 111, 159
Decimal	4299423
CIE _{Lab}	58.73, -24.75, -10.60
CIE _{LCh}	59, 26.929, 203.187
Y _{xy}	26.7382, 0.2390, 0.3197
Android (android.graphics.Color)	4282489503 (0xFF419A9F)
YUV	127.9590, 15.3032, -55.2150
Hunter-Lab	51.7090, -21.4726, -6.1229

Details

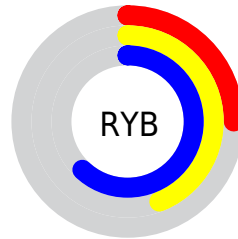
The XYZ color **19.9936, 26.7382, 36.9081** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.4430, 12.1336, 6.4245**, and the grayscale version is **20.4666, 21.5325, 23.4489**.

A 20% lighter version of the original color is **42.9641, 54.5935, 71.8915**, and **7.4581, 10.5855, 15.8375** is the 20% darker color. If you saturate the color by 10%, you get **18.9467, 25.9926, 36.8199**, and if you desaturate by 10%, it is **21.3394, 27.6405, 37.0118**.

Distribution



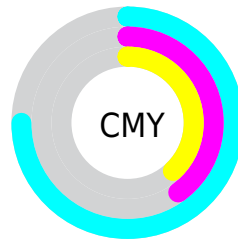
- Red (25%)
- Green (60%)
- Blue (62%)



- Red (25%)
- Yellow (44%)
- Blue (62%)



- Cyan (59%)
- Magenta (3%)
- Yellow (0%)
- Black (38%)



- Cyan (75%)
- Magenta (40%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9936, 26.7382, 36.9081 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 19.9936, 26.7382, 36.9081 by changing the saturation by 10% instead.

■ 19.9936, 26.7382,
36.9081

■ 19.9936, 26.7382,
36.9081

244.7147,
286.3873, 348.0692

■ 12.4986, 17.3767,
24.8411

■ 42.9105, 54.4635,
71.6162

■ 7.1588, 10.5034,
15.7408

■ 59.0631, 73.5960,
95.0943

■ 3.6088, 5.7340,
9.1885

■ 78.8323, 96.7544,
123.2133

■ 1.4833, 2.6840,
4.7659

■ 102.5835,
124.3230, 156.3916

■ 0.3144, 0.9691,
2.0542

■ 130.6819,
156.6862, 195.0478

■ 0.0000, 0.0000,
0.5883

163.4930,

■ 0.0000, 0.0000,

194.2284, 239.6005

0.0000

201.3822,
237.3339, 290.4681

■ 19.9936, 26.7382,
36.9081

■ 19.9936, 26.7382,
36.9081

■ 18.9467, 25.9926,
36.8199

■ 21.3394, 27.6405,
37.0118

■ 18.1707, 25.3876,
36.7440

■ 23.0043, 28.7081,
37.1301

■ 17.6365, 24.9086,
36.6797

■ 25.0095, 29.9527,
37.2647

■ 17.2812, 24.5234,
36.6240

■ 27.3737, 31.3839,
37.4163

■ 17.2517, 24.4904,
36.6192

■ 30.1144, 33.0105,
37.5858

■ 33.2478, 34.8411,
37.7740

■ 36.7891, 36.8834,
37.9816

■ 40.7527, 39.1450,
38.2092

■ 45.1526, 41.6329,
38.4575

Harmonies

Analogous

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



19.5959, 26.7382, 27.0010



19.9936, 26.7382, 36.9081



21.7827, 26.7382, 46.3091

Triad

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



19.9936, 26.7382, 36.9081



30.8658, 26.7382, 41.4784



26.1776, 26.7382, 14.4894

Complementary

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



19.9936, 26.7382, 36.9081



17.4430, 12.1336, 6.4245

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.



29.4276, 26.7382, 16.8082



19.9936, 26.7382, 36.9081



32.2825, 26.7382, 31.3331

Square

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



19.9936, 26.7382, 36.9081



28.0069, 26.7382, 49.3231



31.7346, 26.7382, 22.5014



22.9860, 26.7382, 15.3509

Rectangle

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



19.9936, 26.7382, 36.9081



23.6144, 26.7382, 50.3161



31.7346, 26.7382, 22.5014



27.3025, 26.7382, 14.9024

Sweetspot

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



19.9944, 26.7392, 36.9087



49.3787, 56.4177, 67.0306



15.6748, 26.3591, 10.0073



10.8501, 12.5500, 15.0942



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.



19.9944, 26.7392, 36.9087



33.4311, 46.1729, 65.8937



13.7278, 14.2060, 34.8199



6.7916, 7.4490, 8.4865



13.6355, 19.3626, 28.9259



0.2520, 0.3627, 0.5199

Inverse Universe

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



22.0218, 13.4854, 32.0151



37.4971, 20.5338, 55.8685



21.5793, 20.4062, 7.8033



6.8889, 6.7485, 8.2661



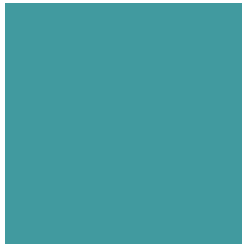
15.6808, 7.5769, 23.6338



0.2845, 0.1371, 0.4445

Previews

White Background



This preview shows how the XYZ color 19.9936, 26.7382, 36.9081 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 19.9936, 26.7382, 36.9081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

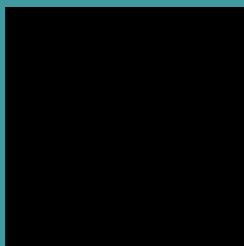
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

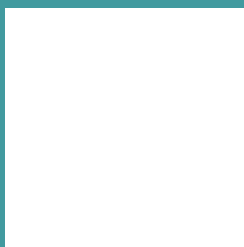
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9936, 26.7382, 36.9081

Background



This preview shows how black text looks on a background with the XYZ color 19.9936, 26.7382, 36.9081.

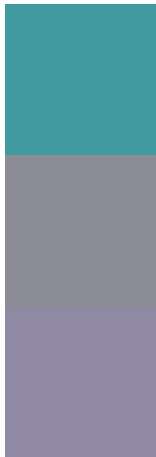


This preview shows how white text looks on a background with the XYZ color 19.9936, 26.7382,

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

19.9936, 26.7382, 36.9081

Protanopia

25.6983, 26.5336, 32.6212

Deuteranopia

26.8842, 26.3753, 38.3243



Tritanopia

20.5667, 26.7280, 39.6724

Trichromacy



Original Color

19.9936, 26.7382, 36.9081

Protanomaly

22.6852, 26.0614, 33.9717

Deuteranomaly

23.4143, 25.8984, 37.9472

Tritanomaly

20.3168, 26.6201, 38.7177

Monochromacy



Original Color

19.9936, 26.7382, 36.9081

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.4316, 22.7587, 27.7948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9936, 26.7382, 36.9081 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(65, 154, 159)` looks like.

```
.text, #text, p{  
    color:rgb(65, 154, 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(65, 154, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 154, 159) }
```

Border

The CSS property to change the border of an element to XYZ 19.9936, 26.7382, 36.9081 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(65, 154, 159) }
```


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

```
.border{ border-color:rgb(65, 154, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 154, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 154, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 154, 159);  
box-shadow:4px 4px 4px 4px rgb(65, 154,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9936, 26.7382, 36.9081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 154, 159) }
```

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

```
.background{ background-color: rgb(65, 154,  
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](#).

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