

Converting Colors

XYZ(19.3559, 34.1459, 9.8386)

Have a look what the booklet for
XYZ(19.3559, 34.1459, 9.8386)
contains.

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Color

**XYZ(19.3168, 34.0926,
9.8374)**

Conversions

Conversions Part 1

Format	Color
Hex	41B43C
RGB	65, 180, 60
RGB Percent	25%, 71%, 24%
CMY	0.7451, 0.2941, 0.7647
CMYK	0.64, 0.00, 0.67, 0.29
HSL	118°, 50%, 47%
HSV	118°, 67%, 71%
XYZ	19.3168, 34.0926, 9.8374
YIQ	131.9350, -30.0200, -61.7000

Conversions

Conversions Part 2

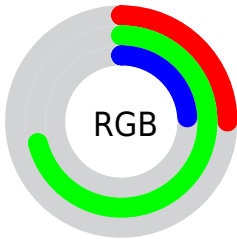
Format	Color
RYB	60, 180, 175
Decimal	4305980
CIELab	65.04, -55.32, 49.97
CIELCh	65, 74.552, 137.909
Yxy	34.0926, 0.3054, 0.5390
Android (android.graphics.Color)	4282496060 (0xFF41B43C)
YUV	131.9350, -35.4640, -58.7020
Hunter-Lab	58.3889, -43.1273, 30.8830

Details

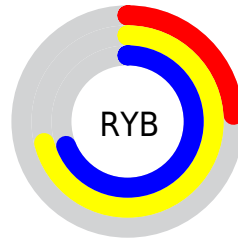
The XYZ color **19.3168, 34.0926, 9.8374** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **27.5357, 15.6425, 44.7499**, and the grayscale version is **22.0410, 23.1888, 25.2526**.

A 20% lighter version of the original color is **41.8690, 66.1962, 26.1932**, and **7.4609, 14.9217, 2.4870** is the 20% darker color. If you saturate the color by 10%, you get **17.9470, 33.4334, 7.6982**, and if you desaturate by 10%, it is **21.1988, 34.9991, 12.8467**.

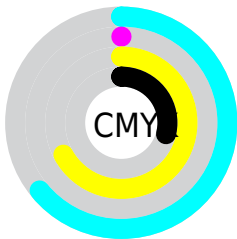
Distribution



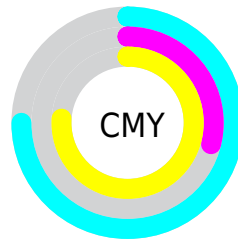
- Red (25%)
- Green (71%)
- Blue (24%)



- Red (24%)
- Yellow (71%)
- Blue (69%)



- Cyan (64%)
- Magenta (0%)
- Yellow (67%)
- Black (29%)





- Cyan (75%)
- Magenta (29%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.3168, 34.0926, 9.8374 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 19.3168, 34.0926, 9.8374 by changing the saturation by 10% instead.


 19.3168, 34.0926,
9.8374


 19.3168, 34.0926,
9.8374


241.0968,
320.5448, 199.9501


 12.0048, 22.9647,
5.1871


 41.7815, 66.0776,
26.0922

 6.8192, 14.5675,
2.2968


 57.6648, 87.7036,
38.5338


 3.3946, 8.5164,
0.7294


 77.1360, 113.5978,
54.4096

 1.3657, 4.4271,
0.0000

 100.5604,
144.1445, 74.1381

 0.2316, 1.9152,
0.0000

 128.3033,
179.7281, 98.1379

 0.0000, 0.5575,
0.0000

160.7301,

 0.0000, 0.0000,

220.7331, 126.8274

0.0000

198.2062,
267.5439, 160.6253

■ 19.3168, 34.0926,
9.8374

■ 19.3168, 34.0926,
9.8374

■ 17.9470, 33.4334,
7.6982

■ 21.1988, 34.9991,
12.8467

■ 17.0369, 32.9935,
6.3348

■ 23.6340, 36.1695,
16.8032

■ 16.5245, 32.7446,
5.6218

■ 26.6624, 37.6237,
21.7779

■ 16.4158, 32.6923,
5.4450

■ 30.3192, 39.3786,
27.8345

■ 34.6372, 41.4498,
35.0316

■ 39.6467, 43.8517,
43.4233

■ 45.3762, 46.5980,
53.0606

■ 51.8525, 49.7015,
63.9914

■ 59.1012, 53.1743,
76.2609

Harmonies

Analogous

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



26.4334, 34.0926, 4.4279



19.3168, 34.0926, 9.8374



16.0553, 34.0926, 26.0131

Triad

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



19.3168, 34.0926, 9.8374



28.2491, 34.0926, 130.8147



56.4287, 34.0926, 21.6827

Complementary

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



19.3168, 34.0926, 9.8374



27.5357, 15.6425, 44.7499

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.



57.2212, 34.0926, 51.0116



19.3168, 34.0926, 9.8374



39.2121, 34.0926, 127.2334

Square

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



19.3168, 34.0926, 9.8374



20.3908, 34.0926, 100.9827



50.3686, 34.0926, 92.8987



48.3970, 34.0926, 8.1809

Rectangle

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



19.3168, 34.0926, 9.8374



15.8912, 34.0926, 45.9122



50.3686, 34.0926, 92.8987



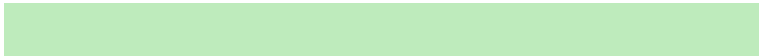
57.6063, 34.0926, 29.5305

Sweetspot

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



19.3176, 34.0940, 9.8382



59.7803, 73.7049, 58.4720



34.7757, 40.3035, 10.2220



12.4533, 15.7061, 11.8590



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.3176, 34.0940, 9.8382



31.6664, 60.1972, 12.6311



21.2232, 34.8197, 21.5230



8.4206, 9.5064, 9.0436



11.4710, 22.8236, 3.8008



0.3717, 0.7237, 0.1201

Inverse Universe

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



27.5357, 15.6425, 44.7499



47.5624, 24.2980, 80.4778



24.2054, 14.4423, 21.2518



8.8144, 8.6283, 10.7072



17.7163, 8.4689, 30.8379



0.5681, 0.2720, 0.9708

Previews

White Background



This preview shows how the XYZ color 19.3168, 34.0926, 9.8374 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 19.3168, 34.0926, 9.8374 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 ✓ Pass

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

XYZ 19.3168, 34.0926, 9.8374

Background



This preview shows how black text looks on a background with the XYZ color 19.3168, 34.0926, 9.8374.



This preview shows how white text looks on a background with the XYZ color 19.3168, 34.0926,

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

19.3168, 34.0926, 9.8374

Protanopia

30.4020, 33.4942, 8.3527

Deuteranopia

34.1011, 33.4064, 10.4451



Tritanopia

27.1654, 33.8156, 49.3513

Trichromacy



Original Color

19.3168, 34.0926, 9.8374



Protanomaly

24.1606, 32.3467, 8.7115



Deuteranomaly

25.5868, 31.7380, 9.9317



Tritanomaly

22.9961, 33.2248, 29.2458

Monochromacy



Original Color

19.3168, 34.0926, 9.8374



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.5333, 25.7236, 17.5713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3168, 34.0926, 9.8374 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, 180, 60)` looks like.

```
.text, #text, p{  
    color:rgb(65, 180, 60)  
}
```

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, 180, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 180, 60) }
```

Border

The CSS property to change the border of an element to XYZ 19.3168, 34.0926, 9.8374 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, 180, 60) }
```


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

```
.border{ border-color:rgb(65, 180, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 180, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 180, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 180, 60);  
box-shadow:4px 4px 4px 4px rgb(65, 180,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3168, 34.0926, 9.8374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 180, 60) }
```

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

```
.background{ background-color: rgb(65, 180,  
60) }
```

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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