

Converting Colors

XYZ(18.9549, 34.1069, 14.4699)

Have a look what the booklet for
XYZ(18.9549, 34.1069, 14.4699)
contains.

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Color

**XYZ(18.9311, 34.0947,
14.3873)**

Conversions

Conversions Part 1

Format	Color
Hex	24B556
RGB	36, 181, 86
RGB Percent	14%, 71%, 34%
CMY	0.8588, 0.2902, 0.6627
CMYK	0.80, 0.00, 0.52, 0.29
HSL	141°, 67%, 43%
HSV	141°, 80%, 71%
XYZ	18.9311, 34.0947, 14.3873
YIQ	126.8150, -55.9250, -60.2850

Conversions

Conversions Part 2

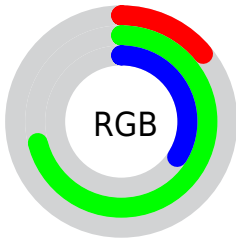
Format	Color
RYB	36, 144, 181
Decimal	2405718
CIELab	65.04, -57.30, 37.85
CIELCh	65, 68.674, 146.551
Yxy	34.0947, 0.2808, 0.5058
Android (android.graphics.Color)	4280595798 (0xFF24B556)
YUV	126.8150, -20.1218, -79.6448
Hunter-Lab	58.3907, -44.3114, 26.2646

Details

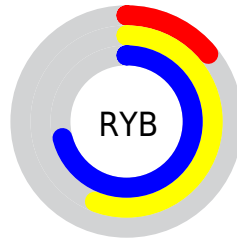
The XYZ color **18.9311, 34.0947, 14.3873** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **23.7845, 12.7247, 22.6756**, and the grayscale version is **20.1905, 21.2420, 23.1325**.

A 20% lighter version of the original color is **41.1058, 66.0482, 34.6268**, and **7.9078, 15.3061, 4.2067** is the 20% darker color. If you saturate the color by 10%, you get **18.0130, 33.6731, 12.0542**, and if you desaturate by 10%, it is **20.2494, 34.7154, 17.1545**.

Distribution



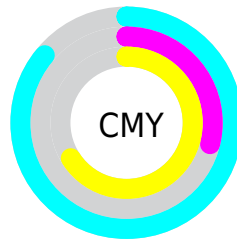
- Red (14%)
- Green (71%)
- Blue (34%)



- Red (14%)
- Yellow (56%)
- Blue (71%)



- Cyan (80%)
- Magenta (0%)
- Yellow (52%)
- Black (29%)





- Cyan (86%)
- Magenta (29%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9311, 34.0947, 14.3873 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 18.9311, 34.0947, 14.3873 by changing the saturation by 10% instead.


 18.9311, 34.0947,
14.3873


 18.9311, 34.0947,
14.3873


239.0135,
320.5541, 231.1387


 11.7242, 22.9664,
8.2487


 41.1354, 66.0809,
34.5016


 6.6270, 14.5687,
4.1645


 56.8636, 87.7076,
49.3145


 3.2742, 8.5172,
1.7160


 76.1628, 113.6025,
67.8558

 1.3004, 4.4277,
0.3717

 99.3986, 144.1500,
90.5441

 0.1835, 1.9155,
0.0000

 126.9362,
179.7345, 117.7981

 0.0000, 0.5577,
0.0000

159.1410,

 0.0000, 0.0000,

220.7404, 150.0361

0.0000

196.3783,
267.5522, 187.6768

■ 18.9311, 34.0947,
14.3873

■ 18.9311, 34.0947,
14.3873

■ 18.0130, 33.6731,
12.0542

■ 20.2494, 34.7154,
17.1545

■ 17.4055, 33.4015,
10.1474

■ 22.0113, 35.5542,
20.3746

■ 24.2572, 36.6326,
24.0681

■ 27.0218, 37.9681,
28.2535

■ 30.3367, 39.5765,
32.9481

■ 34.2307, 41.4724,
38.1685

■ 38.7307, 43.6694,
43.9305

■ 43.8619, 46.1800,
50.2492

■ 49.6478, 49.0163,
57.1392

Harmonies

Analogous

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



24.5911, 34.0947, 6.5308



18.9311, 34.0947, 14.3873



16.8263, 34.0947, 33.9270

Triad

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



18.9311, 34.0947, 14.3873



31.2698, 34.0947, 122.9563



52.6870, 34.0947, 17.6368

Complementary

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



18.9311, 34.0947, 14.3873



23.7845, 12.7247, 22.6756

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.



55.4741, 34.0947, 40.5144



18.9311, 34.0947, 14.3873



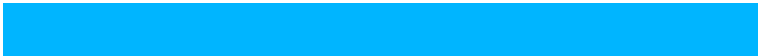
41.7226, 34.0947, 110.7747

Square

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



18.9311, 34.0947, 14.3873



22.9712, 34.0947, 104.0892



51.1132, 34.0947, 76.2075



44.1241, 34.0947, 7.6201

Rectangle

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



18.9311, 34.0947, 14.3873



17.3204, 34.0947, 55.0028



51.1132, 34.0947, 76.2075



54.3974, 34.0947, 23.6108

Sweetspot

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



18.9319, 34.0961, 14.3881



58.1818, 72.7518, 64.2279



26.4637, 38.1361, 7.6353



12.0548, 15.4710, 13.1805



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.



18.9319, 34.0961, 14.3881



31.4336, 59.9373, 18.9392



23.3239, 35.8529, 37.5160



8.5059, 9.5369, 9.6579



12.0283, 23.0373, 7.1520



0.4066, 0.7361, 0.3732

Inverse Universe

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



23.7845, 12.7247, 22.6756



40.3113, 20.2300, 33.6504



20.5078, 11.4140, 5.4205



8.7230, 8.5959, 10.0400



15.4488, 7.6971, 12.7890



0.5122, 0.2526, 0.5401

Previews

White Background



This preview shows how the XYZ color 18.9311, 34.0947, 14.3873 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 18.9311, 34.0947, 14.3873 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 18.9311, 34.0947, 14.3873

Background



This preview shows how black text looks on a background with the XYZ color 18.9311, 34.0947, 14.3873.



This preview shows how white text looks on a background with the XYZ color 18.9311, 34.0947,

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

18.9311, 34.0947, 14.3873

Protanopia

30.6657, 33.5482, 12.0669

Deuteranopia

34.0030, 33.2502, 15.2155



Tritanopia

26.0870, 33.7879, 50.4942

Trichromacy



Original Color

18.9311, 34.0947, 14.3873



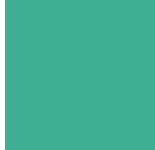
Protanomaly

23.2898, 32.0775, 12.7487



Deuteranomaly

24.4647, 31.3134, 14.6522



Tritanomaly

22.4680, 33.4344, 33.2863

Monochromacy



Original Color

18.9311, 34.0947, 14.3873



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.9744, 24.4170, 19.0948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9311, 34.0947, 14.3873 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(36, 181, 86)` looks like.

```
.text, #text, p{  
    color:rgb(36, 181, 86)  
}
```

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(36, 181, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 181, 86) }
```

Border

The CSS property to change the border of an element to XYZ 18.9311, 34.0947, 14.3873 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(36, 181, 86) }
```


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

```
.border{ border-color:rgb(36, 181, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 181, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 181, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 181, 86);  
box-shadow:4px 4px 4px 4px rgb(36, 181,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9311, 34.0947, 14.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 181, 86) }
```

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

```
.background{ background-color: rgb(36, 181,  
86) }
```

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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