

Converting Colors

XYZ(34.1680, 51.4168, 10.1311)

Have a look what the booklet for
XYZ(34.1680, 51.4168, 10.1311)
contains.

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Color

**XYZ(34.1680, 51.4168,
10.1311)**

Conversions

Conversions Part 1

Format	Color
Hex	8DD128
RGB	141, 209, 40
RGB Percent	55%, 82%, 16%
CMY	0.4471, 0.1804, 0.8431
CMYK	0.33, 0.00, 0.81, 0.18
HSL	84°, 68%, 49%
HSV	84°, 81%, 82%
XYZ	34.1680, 51.4168, 10.1311
YIQ	169.4020, 13.7210, -66.9750

Conversions

Conversions Part 2

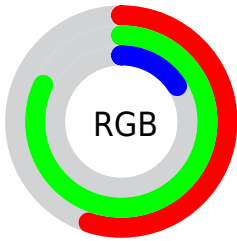
Format	Color
RYB	40, 209, 108
Decimal	9294120
CIELab	76.93, -45.04, 69.60
CIELCh	77, 82.902, 122.911
Yxy	51.4168, 0.3570, 0.5372
Android (android.graphics.Color)	4287484200 (0xFF8DD128)
YUV	169.4020, -63.7952, -24.9086
Hunter-Lab	71.7055, -40.4286, 41.8169

Details

The XYZ color **34.1680, 51.4168, 10.1311** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark washed chartreuse. A complement of this color would be **18.4542, 9.3108, 61.1490**, and the grayscale version is **38.2147, 40.2049, 43.7831**.

A 20% lighter version of the original color is **61.6622, 84.6017, 25.3917**, and **15.1229, 24.9502, 4.0188** is the 20% darker color. If you saturate the color by 10%, you get **32.5282, 50.6037, 8.6740**, and if you desaturate by 10%, it is **36.1108, 52.3673, 12.6067**.

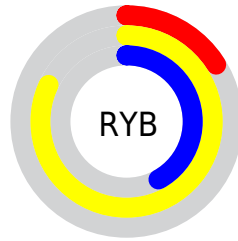
Distribution



Red (55%)

Green (82%)

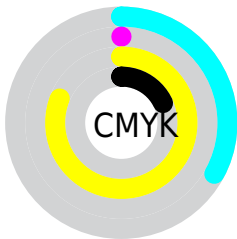
Blue (16%)



Red (16%)

Yellow (82%)

Blue (42%)

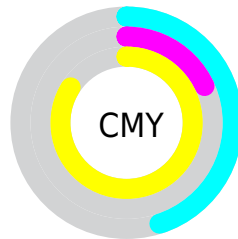


Cyan (33%)

Magenta (0%)

Yellow (81%)

Black (18%)



Cyan (45%)

Magenta (18%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1680, 51.4168, 10.1311 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 34.1680, 51.4168, 10.1311 by changing the saturation by 10% instead.

■ 34.1680, 51.4168,
10.1311

■ 34.1680, 51.4168,
10.1311

312.4533,
392.1810, 202.1239

■ 23.1862, 36.5404,
5.3792

■ 65.5374, 92.2706,
26.6535

■ 14.8525, 24.8519,
2.4088

■ 86.6557, 119.0168,
39.2610

■ 8.8016, 15.9667,
0.7913

■ 111.8835,
150.4883, 55.3242

■ 4.6681, 9.5006,
0.0000

■ 141.5863,
187.0697, 75.2616

■ 2.0866, 5.0691,
0.0000

■ 176.1292,
229.1453, 99.4918

■ 0.6819, 2.2879,
0.0000

■ 215.8778,

■ 0.0000, 0.7673,

277.0994, 128.4332

0.0000

261.1974,
331.3165, 162.5044

■ 0.0000, 0.0000,
0.0000

■ 34.1680, 51.4168,
10.1311

■ 34.1680, 51.4168,
10.1311

■ 32.5282, 50.6037,
8.6740

■ 36.1108, 52.3673,
12.6067

■ 31.2445, 49.9556,
7.9956

■ 38.3826, 53.4603,
16.2406

■ 41.0096, 54.7085,
21.1541

■ 44.0139, 56.1210,
27.4525

■ 47.4155, 57.7060,
35.2300

■ 51.2329, 59.4711,
44.5726

■ 55.4831, 61.4234,
55.5599

■ 60.1821, 63.5694,
68.2657

■ 65.3450, 65.9156,
82.7596

Harmonies

Analogous

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



47.3452, 51.4168, 6.3183



34.1680, 51.4168, 10.1311



26.5276, 51.4168, 25.0037

Triad

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



34.1680, 51.4168, 10.1311



36.3141, 51.4168, 174.4635



85.8693, 51.4168, 51.6856

Complementary

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



34.1680, 51.4168, 10.1311



18.4542, 9.3108, 61.1490

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.



81.1681, 51.4168, 105.6119



34.1680, 51.4168, 10.1311



50.4275, 51.4168, 195.3442

Square

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



34.1680, 51.4168, 10.1311



27.5664, 51.4168, 117.7182



67.2801, 51.4168, 165.2156



79.0259, 51.4168, 20.7978

Rectangle

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



34.1680, 51.4168, 10.1311



24.5199, 51.4168, 45.9302



67.2801, 51.4168, 165.2156



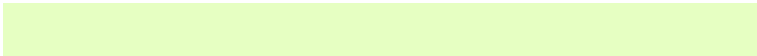
85.5889, 51.4168, 67.4076

Sweetspot

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



34.1692, 51.4191, 10.1322



78.2281, 92.2908, 64.6121



32.0001, 24.3516, 5.0220



16.2834, 19.5410, 12.7040



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



34.1692, 51.4191, 10.1322



49.4090, 78.5515, 12.7775



24.8668, 46.6235, 9.6969



12.3240, 13.5505, 12.5780



19.3775, 30.8584, 4.9350



1.1719, 1.7710, 0.2801

Inverse Universe

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



18.4542, 9.3108, 61.1490



24.2186, 10.5233, 95.3625



34.0330, 17.3420, 61.8780



11.6076, 11.6465, 14.8799



9.4606, 4.0574, 37.4770



0.6177, 0.2726, 2.0996

Previews

White Background



This preview shows how the XYZ color 34.1680, 51.4168, 10.1311 looks on a white background.

Color Contrast Check

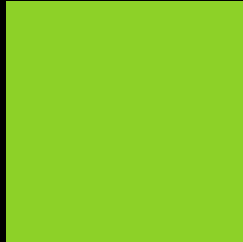
Large Text (above 18pt) WCAG AA × Fail

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 34.1680, 51.4168, 10.1311 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 34.1680, 51.4168, 10.1311

Background



This preview shows how black text looks on a background with the XYZ color 34.1680, 51.4168, 10.1311.

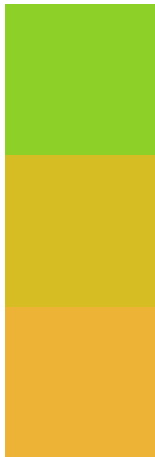


This preview shows how white text looks on a background with the XYZ color 34.1680, 51.4168,

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

34.1680, 51.4168, 10.1311

Protanopia

45.9415, 50.6627, 8.9476

Deuteranopia

51.7347, 50.5206, 10.6392



Tritanopia

45.8459, 51.2604, 68.4507

Trichromacy



Original Color

34.1680, 51.4168, 10.1311

Protanomaly

40.5674, 50.1782, 9.2975

Deuteranomaly

43.3463, 49.6138, 10.3094

Tritanomaly

39.3260, 50.3167, 35.6564

Monochromacy



Original Color

34.1680, 51.4168, 10.1311

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

34.9514, 43.0570, 24.8811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1680, 51.4168, 10.1311 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(141, 209, 40)` looks like.

```
.text, #text, p{  
    color:rgb(141, 209, 40)  
}
```

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(141, 209, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 209, 40) }
```

Border

The CSS property to change the border of an element to XYZ 34.1680, 51.4168, 10.1311 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(141, 209, 40) }
```


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

```
.border{ border-color:rgb(141, 209, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 209, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 209, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 209, 40);  
box-shadow:4px 4px 4px 4px rgb(141, 209,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1680, 51.4168, 10.1311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 209, 40) }
```

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

```
.background{ background-color: rgb(141,  
209, 40) }
```

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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