

Converting Colors

XYZ(18.1562, 34.7025, 5.8378)

Have a look what the booklet for
XYZ(18.1562, 34.7025, 5.8378)
contains.

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Color

**XYZ(18.2391, 34.8454,
5.8507)**

Conversions

Conversions Part 1

Format	Color
Hex	2DB803
RGB	45, 184, 3
RGB Percent	18%, 72%, 1%
CMY	0.8235, 0.2784, 0.9882
CMYK	0.76, 0.00, 0.98, 0.28
HSL	106°, 97%, 37%
HSV	106°, 98%, 72%
XYZ	18.2391, 34.8454, 5.8507
YIQ	121.8050, -24.7430, -85.7590

Conversions

Conversions Part 2

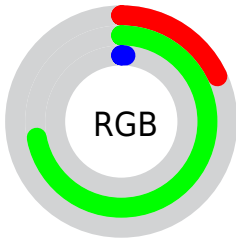
Format	Color
RYB	3, 184, 142
Decimal	2996227
CIELab	65.63, -63.45, 65.27
CIELCh	66, 91.024, 134.190
Yxy	34.8454, 0.3095, 0.5912
Android (android.graphics.Color)	4281186307 (0xFF2DB803)
YUV	121.8050, -58.5709, -67.3580
Hunter-Lab	59.0300, -48.1495, 35.4445

Details

The XYZ color **18.2391, 34.8454, 5.8507** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **19.8441, 9.2792, 46.0944**, and the grayscale version is **18.6273, 19.5974, 21.3415**.

A 20% lighter version of the original color is **39.9007, 67.1055, 18.0574**, and **7.8503, 15.7005, 2.6168** is the 20% darker color. If you saturate the color by 10%, you get **18.1241, 34.7891, 5.7597**, and if you desaturate by 10%, it is **19.0919, 35.2719, 6.5320**.

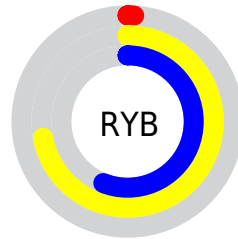
Distribution



Red (18%)

Green (72%)

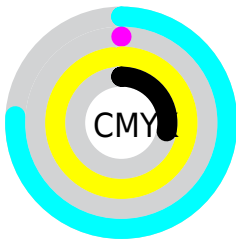
Blue (1%)



Red (1%)

Yellow (72%)

Blue (56%)

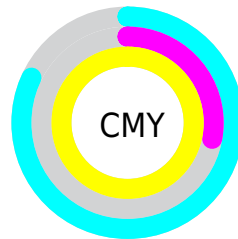


Cyan (76%)

Magenta (0%)

Yellow (98%)

Black (28%)



Cyan (82%)


Magenta (28%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2391, 34.8454, 5.8507 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 18.2391, 34.8454, 5.8507 by changing the saturation by 10% instead.


 18.2391, 34.8454,
5.8507


 18.2391, 34.8454,
5.8507


235.2349,
323.8854, 166.9908


 11.2225, 23.5438,
2.6872


 39.9712, 67.2462,
18.0925


 6.2851, 14.9956,
0.9370


 55.4175, 89.1142,
28.0079


 3.0615, 8.8163,
0.0000


 74.4043, 115.2731,
41.0109

 1.1864, 4.6215,
0.0000

 97.2971, 146.1074,
57.5203

 0.0956, 2.0270,
0.0000

 124.4612,
182.0013, 77.9544

 0.0000, 0.6231,
0.0000

 156.2620,

 0.0000, 0.0000,

223.3394, 102.7318

0.0000

193.0647,
270.5059, 132.2711

■ 18.2391, 34.8454,
5.8507

■ 18.2391, 34.8454,
5.8507

■ 18.1241, 34.7891,
5.7597

■ 19.0919, 35.2719,
6.5320

■ 20.2889, 35.8612,
7.8440

■ 21.8781, 36.6355,
9.9507

■ 23.8936, 37.6102,
12.9513

■ 26.3652, 38.7988,
16.9308

■ 29.3199, 40.2136,
21.9641

■ 32.7825, 41.8660,
28.1190

■ 36.7760, 43.7665,
35.4575

■ 41.3222, 45.9249,
44.0370

Harmonies

Analogous

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



27.2095, 34.8454, 1.9685



18.2391, 34.8454, 5.8507



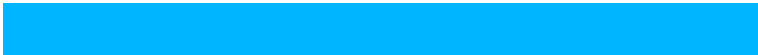
14.0328, 34.8454, 21.2108

Triad

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



18.2391, 34.8454, 5.8507



26.5984, 34.8454, 161.9933



64.8127, 34.8454, 22.6045

Complementary

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



18.2391, 34.8454, 5.8507



19.8441, 9.2792, 46.0944

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.



64.5189, 34.8454, 61.7388



18.2391, 34.8454, 5.8507



39.8288, 34.8454, 163.4150

Square

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



18.2391, 34.8454, 5.8507



17.8961, 34.8454, 115.8637



54.4619, 34.8454, 118.9888



55.1809, 34.8454, 6.2842

Rectangle

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



18.2391, 34.8454, 5.8507



13.5292, 34.8454, 43.5777



54.4619, 34.8454, 118.9888



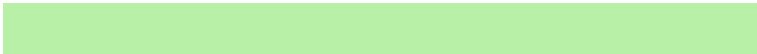
65.9387, 34.8454, 32.8121

Sweetspot

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



18.2399, 34.8469, 5.8515



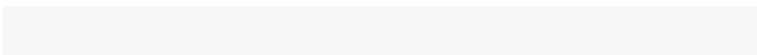
58.0001, 75.2115, 48.4036



29.4239, 29.4761, 4.2254



11.9312, 15.9409, 9.4146



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



18.2399, 34.8469, 5.8515



32.6805, 62.9730, 10.4326



17.7827, 34.5433, 8.8949



9.0801, 10.1579, 9.5890



12.5435, 24.0027, 3.9719



0.4979, 0.8749, 0.1426

Inverse Universe

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



19.8441, 9.2792, 46.0944



35.4747, 16.4761, 83.5151



24.2263, 12.0265, 24.2406



9.1718, 9.0549, 11.3438



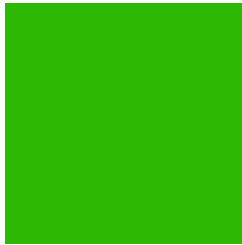
13.6350, 6.3403, 31.7582



0.5311, 0.2495, 1.1219

Previews

White Background



This preview shows how the XYZ color 18.2391, 34.8454, 5.8507 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 18.2391, 34.8454, 5.8507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

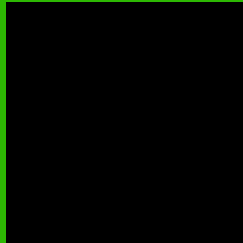
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.2391, 34.8454, 5.8507

Background



This preview shows how black text looks on a background with the XYZ color 18.2391, 34.8454, 5.8507.



This preview shows how white text looks on a background with the XYZ color 18.2391, 34.8454,

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

18.2391, 34.8454, 5.8507

Protanopia

30.7582, 34.2613, 4.9920

Deuteranopia

34.8425, 34.1080, 6.7546



Tritanopia

27.2503, 34.6548, 51.1517

Trichromacy



Original Color

18.2391, 34.8454, 5.8507



Protanomaly

23.2140, 32.7533, 5.1272



Deuteranomaly

24.4459, 31.7594, 5.8787



Tritanomaly

21.5276, 33.7603, 22.8345

Monochromacy



Original Color

18.2391, 34.8454, 5.8507



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.1528, 23.1950, 11.0229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2391, 34.8454, 5.8507 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(45, 184, 3)` looks like.

```
.text, #text, p{  
    color:rgb(45, 184, 3)  
}
```

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(45, 184, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 184, 3) }
```

Border

The CSS property to change the border of an element to XYZ 18.2391, 34.8454, 5.8507 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(45, 184, 3) }
```


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

```
.border{ border-color:rgb(45, 184, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 184, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 184, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 184, 3);  
box-shadow:4px 4px 4px 4px rgb(45, 184, 3)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.2391, 34.8454, 5.8507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 184, 3) }
```

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

```
.background{ background-color: rgb(45, 184,  
3) }
```

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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