

Converting Colors

XYZ(17.5925, 34.5951, 6.0081)

Have a look what the booklet for
XYZ(17.5925, 34.5951, 6.0081)
contains.

XYZ(17.5431, 34.4829, 5.9897)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.5431, 34.4829,
5.9897)**

Conversions

Conversions Part 1

Format	Color
Hex	17B809
RGB	23, 184, 9
RGB Percent	9%, 72%, 4%
CMY	0.9098, 0.2784, 0.9646
CMYK	0.88, 0.00, 0.95, 0.28
HSL	115°, 91%, 38%
HSV	115°, 95%, 72%
XYZ	17.5431, 34.4829, 5.9897
YIQ	115.9110, -39.7810, -88.5570

Conversions

Conversions Part 2

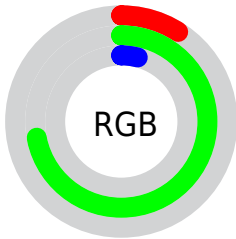
Format	Color
R_{YB}	9, 184, 170
Decimal	1554441
CIE _{Lab}	65.34, -65.94, 64.18
CIE _{LCh}	65, 92.020, 135.773
Yxy	34.4829, 0.3024, 0.5944
Android (android.graphics.Color)	4279744521 (0xFF17B809)
YUV	115.9110, -52.7071, -81.4829
Hunter-Lab	58.7221, -49.4373, 35.0579

Details

The XYZ color **17.5431, 34.4829, 5.9897** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **25.3333, 12.2056, 46.3701**, and the grayscale version is **16.7394, 17.6111, 19.1785**.

A 20% lighter version of the original color is **38.7290, 66.4930, 18.3826**, and **7.8503, 15.7005, 2.6168** is the 20% darker color. If you saturate the color by 10%, you get **17.3333, 34.3815, 5.7227**, and if you desaturate by 10%, it is **18.2162, 34.8132, 6.8221**.

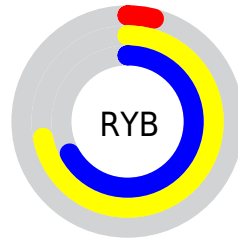
Distribution



Red (9%)

Green (72%)

Blue (4%)



Red (4%)

Yellow (72%)

Blue (67%)

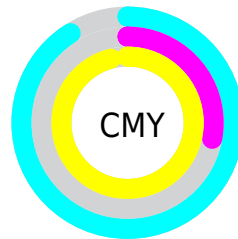


Cyan (88%)

Magenta (0%)

Yellow (95%)

Black (28%)



Cyan (91%)


Magenta (28%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.5431, 34.4829, 5.9897 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 17.5431, 34.4829, 5.9897 by changing the saturation by 10% instead.


 17.5431, 34.4829,
5.9897


 17.5431, 34.4829,
5.9897


231.3787,
322.2800, 168.2821


 10.7202, 23.2648,
2.7701


 38.7934, 66.6839,
18.3868


 5.9449, 14.7892,
0.9785


 53.9515, 88.4356,
28.4014


 2.8519, 8.6716,
0.0000


 72.6188, 114.4674,
41.5181

 1.0760, 4.5276,
0.0000

 95.1604, 145.1635,
58.1555

 0.0049, 1.9728,
0.0000

 121.9419,
180.9084, 78.7320

 0.0000, 0.5916,
0.0000

 153.3285,

 0.0000, 0.0000,

222.0866, 103.6663

0.0000

189.6857,
269.0823, 133.3768

■ 17.5431, 34.4829,
5.9897

■ 17.5431, 34.4829,
5.9897

■ 17.3333, 34.3815,
5.7227

■ 18.2162, 34.8132,
6.8221

■ 19.3100, 35.3440,
8.3705

■ 20.8807, 36.1026,
10.7514

■ 22.9746, 37.1110,
14.0592

■ 25.6330, 38.3886,
18.3760

■ 28.8926, 39.9529,
23.7746

■ 32.7873, 41.8198,
30.3210

■ 37.3482, 44.0042,
38.0763

■ 42.6047, 46.5198,
47.0969

Harmonies

Analogous

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



26.2491, 34.4829, 1.8801



17.5431, 34.4829, 5.9897



13.5851, 34.4829, 22.1541

Triad

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



17.5431, 34.4829, 5.9897



26.8331, 34.4829, 164.4035



64.4087, 34.4829, 20.8271

Complementary

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



17.5431, 34.4829, 5.9897



25.3333, 12.2056, 46.3701

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.



64.6918, 34.4829, 58.7958



17.5431, 34.4829, 5.9897



40.3017, 34.4829, 163.0266

Square

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



17.5431, 34.4829, 5.9897



17.8695, 34.4829, 119.3052



54.9620, 34.4829, 116.2848



54.2703, 34.4829, 5.5846

Rectangle

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



17.5431, 34.4829, 5.9897



13.2211, 34.4829, 45.4808



54.9620, 34.4829, 116.2848



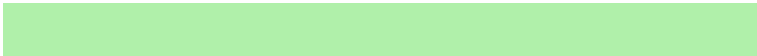
65.7368, 34.4829, 30.5924

Sweetspot

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



17.5439, 34.4843, 5.9905



56.1909, 74.2528, 49.4937



34.0839, 38.7436, 5.9408



11.4852, 15.7061, 9.6157



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.



17.5439, 34.4843, 5.9905



31.3433, 62.2836, 10.3700



18.7744, 34.9488, 13.7248



8.9551, 10.0935, 9.5832



11.9707, 23.7074, 3.9451



0.4445, 0.8473, 0.1401

Inverse Universe

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



25.3333, 12.2056, 46.3701



45.3667, 21.5757, 83.9780



22.7403, 11.5363, 16.0941



9.3083, 9.1253, 11.3502



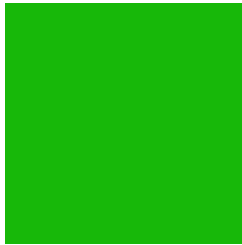
17.3121, 8.2359, 31.9303



0.6314, 0.3012, 1.1266

Previews

White Background



This preview shows how the XYZ color 17.5431, 34.4829, 5.9897 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 17.5431, 34.4829, 5.9897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

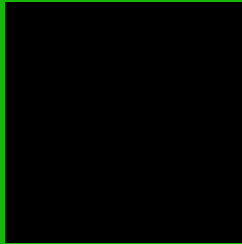
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 17.5431, 34.4829, 5.9897

Background



This preview shows how black text looks on a background with the XYZ color 17.5431, 34.4829, 5.9897.



This preview shows how white text looks on a background with the XYZ color 17.5431, 34.4829,

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

17.5431, 34.4829, 5.9897

Protanopia

30.5870, 33.9187, 4.9349

Deuteranopia

34.4364, 33.6608, 6.7800



Tritanopia

26.6281, 34.3341, 51.1226

Trichromacy



Original Color

17.5431, 34.4829, 5.9897



Protanomaly

21.8612, 31.7816, 5.0684



Deuteranomaly

22.9736, 30.9977, 5.9347



Tritanomaly

20.7802, 33.3610, 23.4332

Monochromacy



Original Color

17.5431, 34.4829, 5.9897



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.3441, 21.3794, 10.3918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5431, 34.4829, 5.9897 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(23, 184, 9)` looks like.

```
.text, #text, p{  
    color:rgb(23, 184, 9)  
}
```

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(23, 184, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 184, 9) }
```

Border

The CSS property to change the border of an element to XYZ 17.5431, 34.4829, 5.9897 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(23, 184, 9) }
```


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

```
.border{ border-color:rgb(23, 184, 9) }
```

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

Here you see how a box with a 4 pixel rgb(23, 184, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 184, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 184, 9);  
box-shadow:4px 4px 4px 4px rgb(23, 184, 9)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.5431, 34.4829, 5.9897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 184, 9) }
```

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

```
.background{ background-color: rgb(23, 184,  
9) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor