

Converting Colors

XYZ(17.4640, 34.5996, 6.8095)

Have a look what the booklet for
XYZ(17.4640, 34.5996, 6.8095)
contains.

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Color

**XYZ(17.5468, 34.7771,
6.8247)**

Conversions

Conversions Part 1

Format	Color
Hex	00B91B
RGB	0, 185, 27
RGB Percent	0%, 73%, 11%
CMY	1.0000, 0.2745, 0.8941
CMYK	1.00, 0.00, 0.85, 0.27
HSL	129°, 100%, 36%
HSV	129°, 100%, 73%
XYZ	17.5468, 34.7771, 6.8247
YIQ	111.6730, -59.5420, -88.3580

Conversions

Conversions Part 2

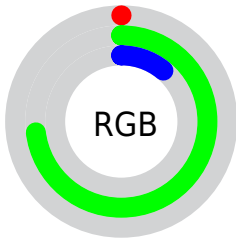
Format	Color
RYB	0, 161, 185
Decimal	47387
CIELab	65.57, -66.91, 61.20
CIELCh	66, 90.680, 137.554
Yxy	34.7771, 0.2967, 0.5880
Android (android.graphics.Color)	4278237467 (0xFF00B91B)
YUV	111.6730, -41.7438, -97.9372
Hunter-Lab	58.9721, -50.0896, 34.4190

Details

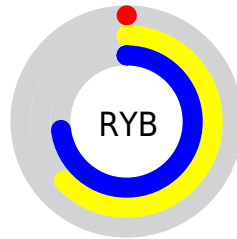
The XYZ color **17.5468, 34.7771, 6.8247** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **26.1796, 12.7832, 33.4333**, and the grayscale version is **15.4370, 16.2409, 17.6864**.

A 20% lighter version of the original color is **38.6592, 66.8615, 20.1005**, and **7.9826, 15.9653, 2.6609** is the 20% darker color. If you saturate the color by 10%, you get **17.5476, 34.7785, 6.8255**, and if you desaturate by 10%, it is **18.0411, 35.0059, 8.0730**.

Distribution



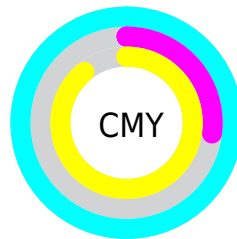
- Red (0%)
- Green (73%)
- Blue (11%)



- Red (0%)
- Yellow (63%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.5468, 34.7771, 6.8247 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 17.5468, 34.7771, 6.8247 by changing the saturation by 10% instead.


 17.5468, 34.7771,
6.8247


 17.5468, 34.7771,
6.8247


231.3993,
323.5834, 175.7743


 10.7228, 23.4912,
3.2759


 38.7997, 67.1403,
20.1265


 5.9467, 14.9566,
1.2372


 53.9594, 88.9864,
30.7166


 2.8530, 8.7890,
0.0095


 72.6283, 115.1214,
44.4909

 1.0765, 4.6038,
0.0000

 95.1718, 145.9297,
61.8680

 0.0053, 2.0167,
0.0000

 121.9554,
181.7956, 83.2663

 0.0000, 0.6172,
0.0000

 153.3442,

 0.0000, 0.0000,

223.1036, 109.1044

0.0000

189.7038,
270.2381, 139.8009

■ 17.5468, 34.7771,
6.8247

■ 17.5468, 34.7771,
6.8247

■ 17.5476, 34.7785,
6.8255

■ 18.0411, 35.0059,
8.0730

■ 18.8919, 35.4044,
9.9225

■ 20.2026, 36.0257,
12.4395

■ 22.0281, 36.8970,
15.6798

■ 24.4155, 38.0413,
19.6932

■ 27.4063, 39.4793,
24.5250

■ 31.0384, 41.2295,
30.2173

■ 35.3462, 43.3088,
36.8090

■ 40.3619, 45.7331,
44.3367

Harmonies

Analogous

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



25.9259, 34.7771, 2.1656



17.5468, 34.7771, 6.8247



13.8428, 34.7771, 24.1726

Triad

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



17.5468, 34.7771, 6.8247



27.8434, 34.7771, 163.8654



63.9247, 34.7771, 19.7938

Complementary

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



17.5468, 34.7771, 6.8247



26.1796, 12.7832, 33.4333

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.



64.8445, 34.7771, 55.9472



17.5468, 34.7771, 6.8247



41.3831, 34.7771, 159.4206

Square

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



17.5468, 34.7771, 6.8247



18.6245, 34.7771, 121.7028



55.7449, 34.7771, 111.9266



53.4930, 34.7771, 5.4556

Rectangle

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



17.5468, 34.7771, 6.8247



13.6316, 34.7771, 48.3332



55.7449, 34.7771, 111.9266



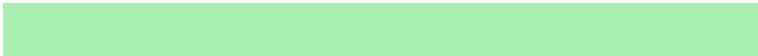
65.4405, 34.7771, 29.0315

Sweetspot

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



17.5476, 34.7785, 6.8255



55.2404, 73.6714, 53.5797



31.9142, 42.2077, 6.4648



11.2966, 15.5870, 10.5974



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.



17.5476, 34.7785, 6.8255



31.3751, 62.2650, 11.9543



20.5705, 35.9877, 22.7439



8.9424, 10.0809, 9.8538



11.9648, 23.6869, 4.7368



0.4389, 0.8419, 0.2570

Inverse Universe

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



26.1796, 12.7832, 33.4333



46.8175, 22.8664, 59.5185



21.0468, 10.7301, 6.4043



9.3230, 9.1396, 11.0485



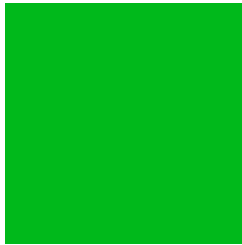
17.8461, 8.7122, 22.8741



0.6447, 0.3133, 0.8882

Previews

White Background



This preview shows how the XYZ color 17.5468, 34.7771, 6.8247 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 17.5468, 34.7771, 6.8247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

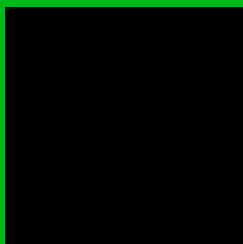
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 17.5468, 34.7771, 6.8247

Background



This preview shows how black text looks on a background with the XYZ color 17.5468, 34.7771, 6.8247.



This preview shows how white text looks on a background with the XYZ color 17.5468, 34.7771,

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

17.5468, 34.7771, 6.8247

Protanopia

30.7045, 33.9657, 5.5538

Deuteranopia

34.7081, 34.0237, 7.4272



Tritanopia

26.6760, 34.6280, 51.7323

Trichromacy



Original Color

17.5468, 34.7771, 6.8247



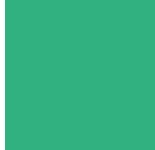
Protanomaly

20.9575, 31.5739, 5.7489



Deuteranomaly

22.0844, 30.7832, 6.7853



Tritanomaly

20.8850, 33.6558, 25.8175

Monochromacy



Original Color

17.5468, 34.7771, 6.8247



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.3164, 20.3989, 11.0201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5468, 34.7771, 6.8247 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(0, 185, 27)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 27)  
}
```

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(0, 185, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 27) }
```

Border

The CSS property to change the border of an element to XYZ 17.5468, 34.7771, 6.8247 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(0, 185, 27) }
```


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

```
.border{ border-color:rgb(0, 185, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 27);  
box-shadow:4px 4px 4px 4px rgb(0, 185, 27)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.5468, 34.7771, 6.8247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 27) }
```

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

```
.background{ background-color: rgb(0, 185,  
27) }
```

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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