

Converting Colors

XYZ(34.2319, 53.6864, 17.3971)

Have a look what the booklet for
XYZ(34.2319, 53.6864, 17.3971)
contains.

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Color

**XYZ(34.1485, 53.4837,
17.3277)**

Conversions

Conversions Part 1

Format	Color
Hex	7BD756
RGB	123, 215, 86
RGB Percent	48%, 84%, 34%
CMY	0.5176, 0.1568, 0.6627
CMYK	0.43, 0.00, 0.60, 0.16
HSL	103°, 62%, 59%
HSV	103°, 60%, 84%
XYZ	34.1485, 53.4837, 17.3277
YIQ	172.7860, -13.4230, -59.6230

Conversions

Conversions Part 2

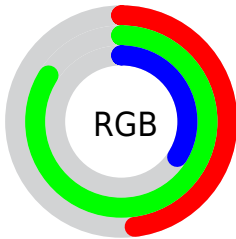
Format	Color
RYB	86, 215, 178
Decimal	8116054
CIELab	78.16, -50.41, 53.96
CIELCh	78, 73.844, 133.050
Yxy	53.4837, 0.3253, 0.5096
Android (android.graphics.Color)	4286306134 (0xFF7BD756)
YUV	172.7860, -42.7855, -43.6623
Hunter-Lab	73.1326, -44.6332, 37.1449

Details

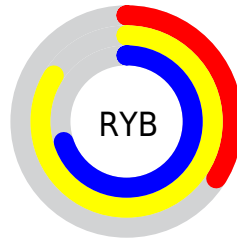
The XYZ color **34.1485, 53.4837, 17.3277** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **33.9564, 21.0287, 66.5622**, and the grayscale version is **39.8286, 41.9028, 45.6322**.

A 20% lighter version of the original color is **59.5497, 83.2372, 37.7387**, and **14.7468, 25.9800, 5.4657** is the 20% darker color. If you saturate the color by 10%, you get **31.3851, 52.1462, 13.3370**, and if you desaturate by 10%, it is **37.5186, 55.1071, 22.7087**.

Distribution



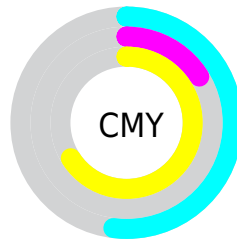
- Red (48%)
- Green (84%)
- Blue (34%)



- Red (34%)
- Yellow (84%)
- Blue (70%)



- Cyan (43%)
- Magenta (0%)
- Yellow (60%)
- Black (16%)





- Cyan (52%)
- Magenta (16%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1485, 53.4837, 17.3277 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 34.1485, 53.4837, 17.3277 by changing the saturation by 10% instead.


 34.1485, 53.4837,
17.3277


 34.1485, 53.4837,
17.3277


312.3680,
400.1381, 249.1614


 23.1711, 38.1890,
10.3040


 65.5073, 95.3157,
39.6867


 14.8413, 26.1294,
5.4927


 86.6194, 122.6219,
55.8591

 8.7937, 16.9205,
2.4754


 111.8405,
154.7007, 75.9180

 4.6629, 10.1778,
0.8271

 141.5359,
191.9366, 100.2822

 2.0836, 5.5170,
0.0000

176.0710,
234.7139, 129.3701

 0.6803, 2.5537,
0.0000

215.8112,

 0.0000, 0.9034,

283.4169, 163.6002

0.0000

261.1217,
338.4302, 203.3911

■ 0.0000, 0.0000,
0.0000

■ 34.1485, 53.4837,
17.3277

■ 34.1485, 53.4837,
17.3277

■ 31.3851, 52.1462,
13.3370

■ 37.5186, 55.1071,
22.7087

■ 29.1844, 51.0699,
10.6051

■ 41.5277, 57.0257,
29.5889

■ 27.5019, 50.2368,
8.9813

■ 46.2102, 59.2568,
38.0701

■ 26.2671, 49.6164,
8.1926

■ 51.5965, 61.8139,
48.2444

■ 26.2670, 49.6163,
8.1925

■ 57.7155, 64.7102,
60.1970

■ 64.5942, 67.9577,
74.0071

■ 72.2581, 71.5681,
89.7492

■ 80.2435, 75.3571,
104.9238

■ 83.5915, 77.0831,
105.0805

Harmonies

Analogous

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



44.8232, 53.4837, 10.0572



34.1485, 53.4837, 17.3277



28.6441, 53.4837, 38.0036

Triad

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



34.1485, 53.4837, 17.3277



43.1668, 53.4837, 172.1196



82.9395, 53.4837, 42.0710

Complementary

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



34.1485, 53.4837, 17.3277



33.9564, 21.0287, 66.5622

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.



82.2640, 53.4837, 84.6101



34.1485, 53.4837, 17.3277



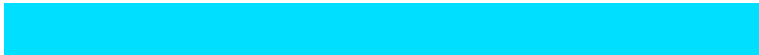
57.3609, 53.4837, 175.0186

Square

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



34.1485, 53.4837, 17.3277



33.1345, 53.4837, 131.0683



72.2259, 53.4837, 137.7464



73.9267, 53.4837, 19.0886

Rectangle

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



34.1485, 53.4837, 17.3277



27.8559, 53.4837, 62.5659



72.2259, 53.4837, 137.7464



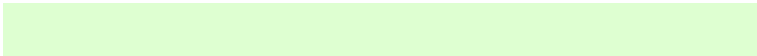
83.8817, 53.4837, 54.1081

Sweetspot

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



34.1498, 53.4860, 17.3289



77.4860, 91.6997, 74.0024



45.2905, 46.2898, 15.3527



16.0508, 19.3742, 14.8111



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.



34.1498, 53.4860, 17.3289



45.2303, 76.2692, 18.3663



31.0534, 51.7472, 23.6236



12.5936, 14.0667, 13.2121



15.8011, 29.7221, 4.9041



1.0344, 1.8346, 0.2996

Inverse Universe

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



33.9564, 21.0287, 66.5622



44.7795, 24.3823, 96.9539



40.5612, 24.7869, 50.9070



12.5899, 12.4455, 15.6762



15.3415, 7.0613, 39.0075



1.0051, 0.4670, 2.3565

Previews

White Background



This preview shows how the XYZ color 34.1485, 53.4837, 17.3277 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 34.1485, 53.4837, 17.3277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

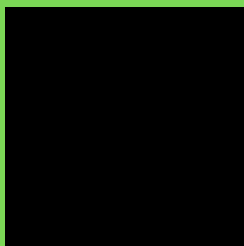
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.1485, 53.4837, 17.3277

Background



This preview shows how black text looks on a background with the XYZ color 34.1485, 53.4837, 17.3277.



This preview shows how white text looks on a background with the XYZ color 34.1485, 53.4837,

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

34.1485, 53.4837, 17.3277

Protanopia

47.9925, 52.5599, 15.0127

Deuteranopia

53.9241, 52.6977, 18.1560



Tritanopia

45.6295, 53.4140, 74.2347

Trichromacy



Original Color

34.1485, 53.4837, 17.3277



Protanomaly

41.2333, 51.7415, 15.7965



Deuteranomaly

44.2118, 51.5387, 17.7430



Tritanomaly

40.0498, 52.9312, 46.1361

Monochromacy



Original Color

34.1485, 53.4837, 17.3277



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

36.3085, 44.8581, 31.9441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1485, 53.4837, 17.3277 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(123, 215, 86)` looks like.

```
.text, #text, p{  
    color:rgb(123, 215, 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(123, 215, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 215, 86) }
```

Border

The CSS property to change the border of an element to XYZ 34.1485, 53.4837, 17.3277 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(123, 215, 86) }
```


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

```
.border{ border-color:rgb(123, 215, 86) }
```

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

Here you see how a box with a 4 pixel rgb(123, 215, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 215, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 215, 86);  
box-shadow:4px 4px 4px 4px rgb(123, 215,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1485, 53.4837, 17.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 215, 86) }
```

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

```
.background{ background-color: rgb(123,  
215, 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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