

Converting Colors

XYZ(34.3351, 47.6743, 29.4384)

Have a look what the booklet for
XYZ(34.3351, 47.6743, 29.4384)
contains.

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Color

**XYZ(34.3299, 47.5268,
29.5545)**

Conversions

Conversions Part 1

Format	Color
Hex	85C785
RGB	133, 199, 133
RGB Percent	52%, 78%, 52%
CMY	0.4784, 0.2196, 0.4784
CMYK	0.33, 0.00, 0.33, 0.22
HSL	120°, 37%, 65%
HSV	120°, 33%, 78%
XYZ	34.3299, 47.5268, 29.5545
YIQ	171.7420, -18.1500, -34.5180

Conversions

Conversions Part 2

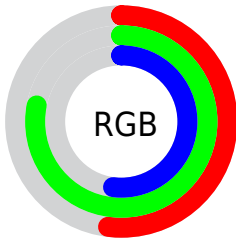
Format	Color
RYB	133, 199, 199
Decimal	8767365
CIELab	74.53, -34.12, 26.58
CIELCh	75, 43.250, 142.073
Yxy	47.5268, 0.3081, 0.4266
Android (android.graphics.Color)	4286957445 (0xFF85C785)
YUV	171.7420, -19.0998, -33.9767
Hunter-Lab	68.9397, -31.7568, 22.8401

Details

The XYZ color **34.3299, 47.5268, 29.5545** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.2510, 33.0416, 58.1854**, and the grayscale version is **39.1833, 41.2238, 44.8928**.

A 20% lighter version of the original color is **65.4687, 85.7992, 60.1241**, and **14.9950, 22.5808, 11.7518** is the 20% darker color. If you saturate the color by 10%, you get **30.2337, 45.5606, 22.8535**, and if you desaturate by 10%, it is **39.2843, 49.9081, 37.6573**.

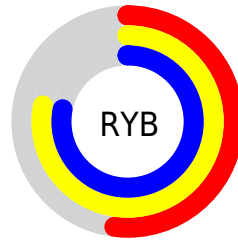
Distribution



Red (52%)

Green (78%)

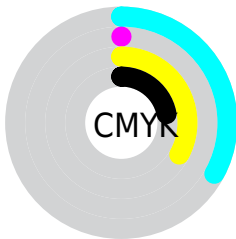
Blue (52%)



Red (52%)

Yellow (78%)

Blue (78%)

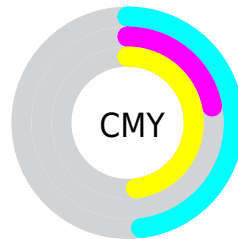


Cyan (33%)

Magenta (0%)

Yellow (33%)

Black (22%)



Cyan (48%)

Magenta (22%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3299, 47.5268, 29.5545 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 34.3299, 47.5268, 29.5545 by changing the saturation by 10% instead.

■ 34.3299, 47.5268,
29.5545

■ 34.3299, 47.5268,
29.5545

313.1607,
376.9134, 313.9647

■ 23.3112, 33.4523,
19.2515

■ 65.7873, 86.4994,
60.0096

■ 14.9455, 22.4732,
11.6735

■ 86.9567, 112.1664,
80.9988

■ 8.8672, 14.2050,
6.4019

■ 112.2404,
142.4662, 106.3871

■ 4.7111, 8.2634,
3.0183

142.0037,
177.7834, 136.5931

■ 2.1118, 4.2639,
1.1040

176.6120,
218.5024, 172.0353

■ 0.6956, 1.8223,
0.0000

216.4307,

■ 0.0000, 0.5010,

265.0074, 213.1323

0.0000

261.8252,
317.6829, 260.3026

■ 0.0000, 0.0000,
0.0000

■ 34.3299, 47.5268,
29.5545

■ 34.3299, 47.5268,
29.5545

■ 30.2337, 45.5606,
22.8535

■ 39.2843, 49.9081,
37.6573

■ 26.9436, 43.9802,
17.4718

■ 45.1378, 52.7198,
47.2318

■ 24.4074, 42.7619,
13.3234


■ 51.9332, 55.9840,
58.3469


■ 22.5655, 41.8772,
10.3106


■ 59.7095, 59.7194,
71.0664


■ 21.3492, 41.2929,
8.3211

■ 68.5035, 63.9436,
85.4504

 20.6759, 40.9695,
7.2196

 78.3500, 68.6733,
101.5560

 20.4244, 40.8487,
6.8082

 79.7143, 69.3287,
103.7881

Harmonies

Analogous

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



39.7598, 47.5268, 21.2434



34.3299, 47.5268, 29.5545



31.8687, 47.5268, 46.0397

Triad

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



34.3299, 47.5268, 29.5545



43.1328, 47.5268, 107.1212



60.5718, 47.5268, 37.2073

Complementary

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



34.3299, 47.5268, 29.5545



42.2510, 33.0416, 58.1854

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.



61.7435, 47.5268, 57.9110



34.3299, 47.5268, 29.5545



51.0560, 47.5268, 102.7288

Square

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



34.3299, 47.5268, 29.5545



36.5547, 47.5268, 93.6399



58.0876, 47.5268, 82.9502



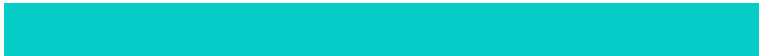
55.0489, 47.5268, 24.6917

Rectangle

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



34.3299, 47.5268, 29.5545



32.0185, 47.5268, 61.2782



58.0876, 47.5268, 82.9502



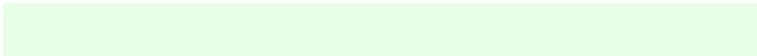
61.5114, 47.5268, 43.2620

Sweetspot

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



34.3311, 47.5288, 29.5556



82.4457, 93.9455, 88.2836



48.2123, 54.6848, 30.2048



17.2975, 19.9404, 18.3250



0.0000, 0.0000, 0.0000



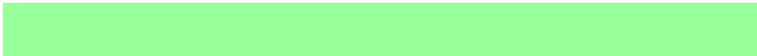
20.3446, 21.4041, 23.3091

Same Dimension

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



34.3311, 47.5288, 29.5556



54.6468, 80.5923, 42.8134



36.9805, 48.5886, 43.5070



10.4975, 11.8879, 11.3041



13.1327, 26.2655, 4.3777



0.6218, 1.2437, 0.2073

Inverse Universe

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



42.2510, 33.0416, 58.1854



70.6810, 51.2624, 100.7757



38.8251, 31.6712, 40.1444



11.0831, 10.8166, 13.4211



21.7738, 10.4591, 35.6143



1.0310, 0.4952, 1.6863

Previews

White Background



This preview shows how the XYZ color 34.3299, 47.5268, 29.5545 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 34.3299, 47.5268, 29.5545 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

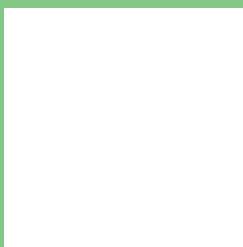
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.3299, 47.5268, 29.5545

Background



This preview shows how black text looks on a background with the XYZ color 34.3299, 47.5268, 29.5545.



This preview shows how white text looks on a background with the XYZ color 34.3299, 47.5268,

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

34.3299, 47.5268, 29.5545

Protanopia

43.5198, 46.8326, 26.4845

Deuteranopia

47.9417, 46.9420, 30.5787



Tritanopia

41.2870, 47.3457, 64.7202

Trichromacy



Original Color

34.3299, 47.5268, 29.5545



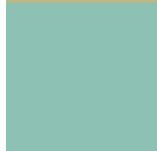
Protanomaly

39.4012, 46.5501, 27.6773



Deuteranomaly

41.5920, 46.3728, 30.0513



Tritanomaly

38.1912, 47.0573, 49.7179

Monochromacy



Original Color

34.3299, 47.5268, 29.5545



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

37.0001, 43.1936, 38.7348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3299, 47.5268, 29.5545 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(133, 199, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 199, 133)  
}
```

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(133, 199, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 199, 133) }
```

Border

The CSS property to change the border of an element to XYZ 34.3299, 47.5268, 29.5545 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(133, 199, 133) }
```


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

```
.border{ border-color:rgb(133, 199, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 199, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 199, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 199, 133);  
box-shadow:4px 4px 4px 4px rgb(133, 199,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3299, 47.5268, 29.5545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 199, 133) }
```

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

```
.background{ background-color: rgb(133,  
199, 133) }
```

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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