

Converting Colors

XYZ(34.2322, 47.3616, 30.4364)

Have a look what the booklet for
XYZ(34.2322, 47.3616, 30.4364)
contains.

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Color

**XYZ(34.3123, 47.5017,
30.2820)**

Conversions

Conversions Part 1

Format	Color
Hex	84C787
RGB	132, 199, 135
RGB Percent	52%, 78%, 53%
CMY	0.4824, 0.2196, 0.4706
CMYK	0.34, 0.00, 0.32, 0.22
HSL	123°, 37%, 65%
HSV	123°, 34%, 78%
XYZ	34.3123, 47.5017, 30.2820
YIQ	171.6710, -19.3880, -34.1080

Conversions

Conversions Part 2

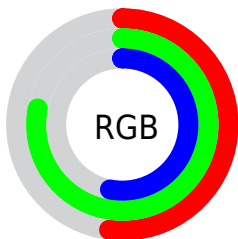
Format	Color
RYB	132, 196, 199
Decimal	8701831
CIELab	74.51, -34.11, 25.50
CIElCh	75, 42.588, 143.214
Yxy	47.5017, 0.3061, 0.4238
Android (android.graphics.Color)	4286891911 (0xFF84C787)
YUV	171.6710, -18.0788, -34.7915
Hunter-Lab	68.9215, -31.7470, 22.1948

Details

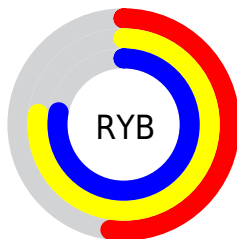
The XYZ color **34.3123, 47.5017, 30.2820** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.7698, 32.6310, 56.3231**, and the grayscale version is **39.1429, 41.1813, 44.8465**.

A 20% lighter version of the original color is **65.4388, 85.7589, 61.2483**, and **14.9895, 22.5689, 12.1605** is the 20% darker color. If you saturate the color by 10%, you get **30.2712, 45.5609, 23.7196**, and if you desaturate by 10%, it is **39.1884, 49.8481, 38.1329**.

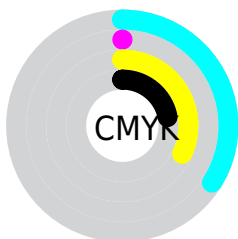
Distribution



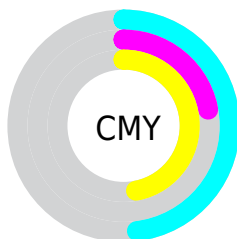
- Red (52%)
- Green (78%)
- Blue (53%)



- Red (52%)
- Yellow (77%)
- Blue (78%)



- Cyan (34%)
- Magenta (0%)
- Yellow (32%)
- Black (22%)



- Cyan (48%)
- Magenta (22%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3123, 47.5017, 30.2820 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 34.3123, 47.5017, 30.2820 by changing the saturation by 10% instead.

■ 34.3123, 47.5017,
30.2820

■ 34.3123, 47.5017,
30.2820

313.0838,
376.8136, 317.4648

■ 23.2976, 33.4324,
19.7989

■ 65.7601, 86.4620,
61.1741

■ 14.9353, 22.4579,
12.0663

■ 86.9239, 112.1219,
82.4202

■ 8.8600, 14.1938,
6.6658

■ 112.2016,
142.4141, 108.0910

■ 4.7064, 8.2556,
3.1787

141.9583,
177.7229, 138.6051

■ 2.1090, 4.2589,
1.1866

176.5596,
218.4329, 174.3810

■ 0.6941, 1.8194,
0.0000

216.3707,

■ 0.0000, 0.4992,

264.9285, 215.8372

0.0000

261.7570,
317.5939, 263.3923

■ 0.0000, 0.0000,
0.0000

■ 34.3123, 47.5017,
30.2820

■ 34.3123, 47.5017,
30.2820

■ 30.2712, 45.5609,
23.7196

■ 39.1884, 49.8481,
38.1329

■ 27.0149, 43.9972,
18.3739

■ 44.9389, 52.6149,
47.3325

■ 24.4935, 42.7877,
14.1710


■ 51.6048, 55.8234,
57.9411


■ 22.6497, 41.9049,
11.0278


■ 59.2239, 59.4919,
70.0146


■ 21.4179, 41.3168,
8.8498

■ 67.8314, 63.6373,
83.6056

 20.7194, 40.9853,
7.5259

 77.4610, 68.2760,
98.7642

 20.4732, 40.8683,
7.0653

 79.7144, 69.3288,
103.7881

Harmonies

Analogous

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



39.5679, 47.5017, 21.7489



34.3123, 47.5017, 30.2820



32.0007, 47.5017, 46.8775

Triad

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



34.3123, 47.5017, 30.2820



43.4244, 47.5017, 106.1950



60.1466, 47.5017, 36.7609

Complementary

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



34.3123, 47.5017, 30.2820



41.7698, 32.6310, 56.3231

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.



61.4803, 47.5017, 56.8877



34.3123, 47.5017, 30.2820



51.2315, 47.5017, 101.2156

Square

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



34.3123, 47.5017, 30.2820



36.8610, 47.5017, 93.5878



58.0562, 47.5017, 81.4487



54.5945, 47.5017, 24.6798

Rectangle

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



34.3123, 47.5017, 30.2820



32.2301, 47.5017, 62.0178



58.0562, 47.5017, 81.4487



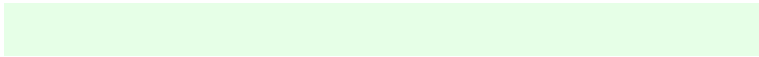
61.1273, 47.5017, 42.6326

Sweetspot

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



34.3135, 47.5037, 30.2831



82.6062, 94.0097, 89.1286



47.5553, 54.3541, 29.8150



17.3359, 19.9558, 18.5271



0.0000, 0.0000, 0.0000



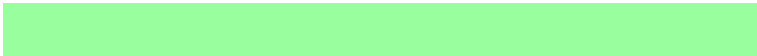
20.3446, 21.4041, 23.3091

Same Dimension

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



34.3135, 47.5037, 30.2831



55.0314, 80.7461, 44.8388



36.9835, 48.5717, 44.3429



10.5164, 11.8954, 11.4036



13.1728, 26.2815, 4.5885



0.6306, 1.2472, 0.2534

Inverse Universe

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



41.7698, 32.6310, 56.3231



69.9542, 50.9717, 96.9486



38.4406, 31.2994, 38.7921



11.0618, 10.8081, 13.3087



21.1366, 10.2042, 32.2589



1.0073, 0.4858, 1.5617

Previews

White Background



This preview shows how the XYZ color 34.3123, 47.5017, 30.2820 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 34.3123, 47.5017, 30.2820 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 34.3123, 47.5017, 30.2820

Background



This preview shows how black text looks on a background with the XYZ color 34.3123, 47.5017, 30.2820.



This preview shows how white text looks on a background with the XYZ color 34.3123, 47.5017,

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

34.3123, 47.5017, 30.2820

Protanopia

43.6502, 46.8847, 27.1711

Deuteranopia

47.7952, 46.8495, 31.3347



Tritanopia

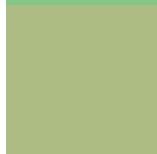
41.1100, 47.2544, 64.7119

Trichromacy



Original Color

34.3123, 47.5017, 30.2820



Protanomaly

39.3135, 46.4894, 28.3740



Deuteranomaly

41.4951, 46.3063, 30.7957



Tritanomaly

38.1234, 47.0107, 50.2447

Monochromacy



Original Color

34.3123, 47.5017, 30.2820



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.8906, 43.1272, 39.1809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3123, 47.5017, 30.2820 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(132, 199, 135)` looks like.

```
.text, #text, p{  
    color:rgb(132, 199, 135)  
}
```

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(132, 199, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 199, 135) }
```

Border

The CSS property to change the border of an element to XYZ 34.3123, 47.5017, 30.2820 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(132, 199, 135) }
```


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

```
.border{ border-color:rgb(132, 199, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 199, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 199, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 199, 135);  
box-shadow:4px 4px 4px 4px rgb(132, 199,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3123, 47.5017, 30.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 199, 135) }
```

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

```
.background{ background-color: rgb(132,  
199, 135) }
```

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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