

Converting Colors

XYZ(29.9111, 39.0920, 34.2230)

Have a look what the booklet for
XYZ(29.9111, 39.0920, 34.2230)
contains.

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Color

**XYZ(29.9145, 39.0234,
34.3894)**

Conversions

Conversions Part 1

Format	Color
Hex	7BB495
RGB	123, 180, 149
RGB Percent	48%, 71%, 58%
CMY	0.5176, 0.2941, 0.4157
CMYK	0.32, 0.00, 0.17, 0.29
HSL	147°, 28%, 59%
HSV	147°, 32%, 71%
XYZ	29.9145, 39.0234, 34.3894
YIQ	159.4230, -24.0210, -21.7250

Conversions

Conversions Part 2

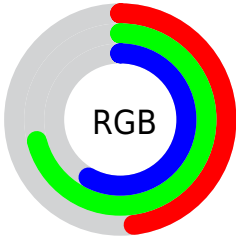
Format	Color
RYB	123, 162, 180
Decimal	8107157
CIELab	68.77, -25.27, 9.95
CIELCh	69, 27.160, 158.510
Yxy	39.0234, 0.2895, 0.3777
Android (android.graphics.Color)	4286297237 (0xFF7BB495)
YUV	159.4230, -5.1385, -31.9430
Hunter-Lab	62.4687, -23.8416, 11.0886

Details

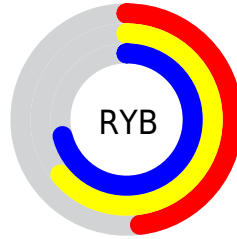
The XYZ color **29.9145, 39.0234, 34.3894** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.7395, 26.2033, 33.9585**, and the grayscale version is **33.1799, 34.9079, 38.0147**.

A 20% lighter version of the original color is **58.9064, 73.6498, 67.6111**, and **12.4665, 17.4383, 14.2642** is the 20% darker color. If you saturate the color by 10%, you get **26.8235, 37.5176, 30.3351**, and if you desaturate by 10%, it is **33.5468, 40.8028, 38.8138**.

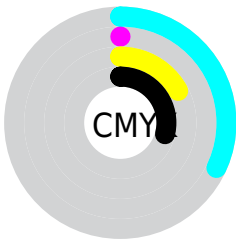
Distribution



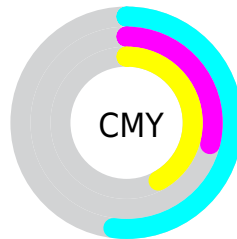
- Red (48%)
- Green (71%)
- Blue (58%)



- Red (48%)
- Yellow (64%)
- Blue (71%)



- Cyan (32%)
- Magenta (0%)
- Yellow (17%)
- Black (29%)



- Cyan (52%)
- Magenta (29%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9145, 39.0234, 34.3894 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 29.9145, 39.0234, 34.3894 by changing the saturation by 10% instead.

■ 29.9145, 39.0234,
34.3894

■ 29.9145, 39.0234,
34.3894

293.4227,
341.9900, 336.6869

■ 19.9214, 26.7779,
22.9131

■ 58.9145, 73.6741,
67.6796

■ 12.4459, 17.4065,
14.3247

■ 78.6522, 96.8481,
90.3305

■ 7.1225, 10.5247,
8.2055

■ 102.3687,
124.4337, 117.5435

■ 3.5858, 5.7482,
4.1371

130.4296,
156.8153, 149.7370

■ 1.4706, 2.6926,
1.7008

163.2000,
194.3774, 187.3295

■ 0.3057, 0.9734,
0.3613

201.0455,

■ 0.0000, 0.0000,

237.5042, 230.7397

0.0000

244.3312,
286.5803, 280.3859

■ 29.9145, 39.0234,
34.3894

■ 29.9145, 39.0234,
34.3894

■ 26.8235, 37.5176,
30.3351

■ 33.5468, 40.8028,
38.8138

■ 24.2431, 36.2664,
26.6385

■ 37.7428, 42.8640,
43.6148

■ 22.1441, 35.2563,
23.2903

■ 42.5274, 45.2207,
48.8024

■ 20.4931, 34.4701,
20.2799

■ 47.9231, 47.8843,
54.3851

■ 19.2519, 33.8884,
17.5961

■ 53.9511, 50.8656,
60.3714

■ 18.3756, 33.4881,
15.2267

■ 60.6317, 54.1749,
66.7692

■ 17.8489, 33.2547,
13.4813

■ 67.9841, 57.8220,
73.5864

■ 71.4716, 59.4678,
80.6175

■ 72.8644, 60.0249,
87.9520

Harmonies

Analogous

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



32.1753, 39.0234, 26.5188



29.9145, 39.0234, 34.3894



29.4971, 39.0234, 46.0925

Triad

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



29.9145, 39.0234, 34.3894



38.3280, 39.0234, 70.4862



43.9465, 39.0234, 29.3814

Complementary

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



29.9145, 39.0234, 34.3894



31.7395, 26.2033, 33.9585

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.



45.8867, 39.0234, 39.0800



29.9145, 39.0234, 34.3894



42.4826, 39.0234, 63.8516

Square

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



29.9145, 39.0234, 34.3894



34.1423, 39.0234, 68.5617



45.3312, 39.0234, 51.7718



40.2039, 39.0234, 24.0403

Rectangle

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



29.9145, 39.0234, 34.3894



30.2869, 39.0234, 54.8288



45.3312, 39.0234, 51.7718



44.8438, 39.0234, 32.1566

Sweetspot

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



29.9156, 39.0250, 34.3903



69.6615, 78.3228, 80.4415



33.2909, 40.9787, 24.8946



14.8107, 16.8075, 17.1141



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.9156, 39.0250, 34.3903



50.2259, 68.7988, 57.1504



32.4417, 40.0355, 47.6930



8.5448, 9.5524, 9.8625



12.4900, 23.2220, 9.5831



0.4225, 0.7425, 0.4572

Inverse Universe

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



31.7395, 26.2033, 33.9585



54.0542, 41.8756, 56.2361



29.6628, 25.3727, 23.0226



8.6832, 8.5800, 9.8301



14.7065, 7.4001, 8.8802



0.4917, 0.2444, 0.4321

Previews

White Background



This preview shows how the XYZ color 29.9145, 39.0234, 34.3894 looks on a white background.

Color Contrast Check

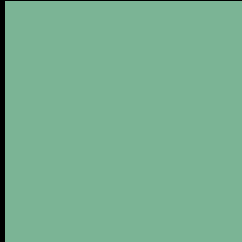
Large Text (above 18pt) WCAG AA × Fail

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 29.9145, 39.0234, 34.3894 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 29.9145, 39.0234, 34.3894

Background



This preview shows how black text looks on a background with the XYZ color 29.9145, 39.0234, 34.3894.



This preview shows how white text looks on a background with the XYZ color 29.9145, 39.0234,

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

29.9145, 39.0234, 34.3894

Protanopia

36.6057, 38.8205, 31.1550

Deuteranopia

39.2337, 38.4810, 35.4967



Tritanopia

33.8754, 39.1594, 53.9172

Trichromacy



Original Color

29.9145, 39.0234, 34.3894

Protanomaly

33.7680, 38.7175, 32.4815

Deuteranomaly

34.9800, 38.1648, 35.2287

Tritanomaly

32.2642, 39.0895, 45.8889

Monochromacy



Original Color

29.9145, 39.0234, 34.3894

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.5892, 36.1150, 36.3163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9145, 39.0234, 34.3894 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, 180, 149)` looks like.

```
.text, #text, p{  
    color:rgb(123, 180, 149)  
}
```

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, 180, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 180, 149) }
```

Border

The CSS property to change the border of an element to XYZ 29.9145, 39.0234, 34.3894 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, 180, 149) }
```


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

```
.border{ border-color:rgb(123, 180, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 180, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 180, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 180, 149);  
box-shadow:4px 4px 4px 4px rgb(123, 180,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9145, 39.0234, 34.3894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 180, 149) }
```

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

```
.background{ background-color: rgb(123,  
180, 149) }
```

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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