

# Converting Colors

XYZ(30.5118, 40.5567, 34.2371)

Have a look what the booklet for  
XYZ(30.5118, 40.5567, 34.2371)  
contains.

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# Color

**XYZ(30.5118, 40.5567,  
34.2371)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AB894
RGB	122, 184, 148
RGB Percent	48%, 72%, 58%
CMY	0.5216, 0.2784, 0.4196
CMYK	0.34, 0.00, 0.20, 0.28
HSL	145°, 30%, 60%
HSV	145°, 34%, 72%
XYZ	30.5118, 40.5567, 34.2371
YIQ	161.3580, -25.3960, -24.3400

# Conversions

## Conversions Part 2

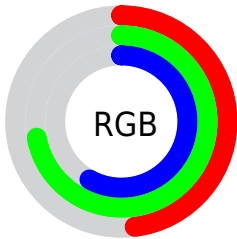
Format	Color
<a href="#">RYB</a>	<a href="#">122, 166, 184</a>
Decimal	<a href="#">8042644</a>
CIELab	<a href="#">69.86, -27.75, 12.04</a>
CIElCh	<a href="#">70, 30.247, 156.542</a>
Yxy	<a href="#">40.5567, 0.2897, 0.3851</a>
Android (android.graphics.Color)	<a href="#">4286232724</a> ( <a href="#">0xFF7AB894</a> )
YUV	<a href="#">161.3580, -6.5855, -34.5170</a>
Hunter-Lab	<a href="#">63.6841, -25.9259, 12.7041</a>

# Details

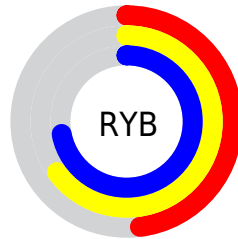
The XYZ color **30.5118, 40.5567, 34.2371** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.8996, 26.5789, 35.7454**, and the grayscale version is **34.0819, 35.8568, 39.0480**.

A 20% lighter version of the original color is **59.7253, 75.8146, 67.3629**, and **12.7998, 18.3978, 14.1858** is the 20% darker color. If you saturate the color by 10%, you get **27.3421, 39.0170, 29.8764**, and if you desaturate by 10%, it is **34.2551, 42.3853, 39.0339**.

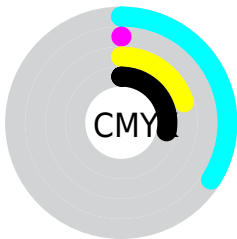
# Distribution



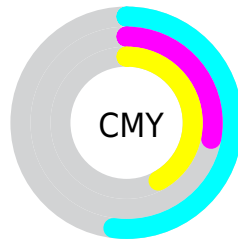
- Red (48%)
- Green (72%)
- Blue (58%)



- Red (48%)
- Yellow (65%)
- Blue (72%)



- Cyan (34%)
- Magenta (0%)
- Yellow (20%)
- Black (28%)




- Cyan (52%)
- Magenta (28%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5118, 40.5567, 34.2371 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 30.5118, 40.5567, 34.2371 by changing the saturation by 10% instead.




 30.5118, 40.5567,  
34.2371


 30.5118, 40.5567,  
34.2371


296.1500,  
348.4644, 335.9894


 20.3774, 27.9729,  
22.7970


 59.8517, 76.0105,  
67.4403

 12.7795, 18.3052,  
14.2398


 79.7879, 99.6492,  
90.0405

 7.3528, 11.1693,  
8.1470


 103.7221,  
127.7417, 117.1977

 3.7320, 6.1808,  
4.1000

132.0196,  
160.6724, 149.3306

 1.5517, 2.9554,  
1.6804

165.0458,  
198.8256, 186.8577

 0.3606, 1.1085,  
0.3472

203.1660,

 0.0000, 0.0000,

242.5857, 230.1975

0.0000

246.7457,  
292.3372, 279.7685

■ 30.5118, 40.5567,  
34.2371

■ 30.5118, 40.5567,  
34.2371

■ 27.3421, 39.0170,  
29.8764

■ 34.2551, 42.3853,  
39.0339

■ 24.7127, 37.7460,  
25.9368

■ 38.5963, 44.5117,  
44.2760

■ 22.5917, 36.7285,  
22.4060

■ 43.5626, 46.9509,  
49.9755

■ 20.9426, 35.9461,  
19.2705

■ 49.1782, 49.7152,  
56.1436

■ 19.7232, 35.3772,  
16.5157

■ 55.4662, 52.8161,  
62.7907

■ 18.8835, 34.9963,  
14.1259

■ 62.4483, 56.2648,  
69.9271

■ 18.4865, 34.8207,  
12.7978

■ 70.1454, 60.0718,  
77.5627

■ 73.1573, 61.4530,  
85.4534

■ 74.7347, 62.0839,  
93.7598

# Harmonies

## Analogous

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



33.1901, 40.5567, 25.7875



30.5118, 40.5567, 34.2371



29.9002, 40.5567, 47.3153

# Triad

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



30.5118, 40.5567, 34.2371



39.6347, 40.5567, 76.8777



46.6506, 40.5567, 29.9245

# Complementary

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



30.5118, 40.5567, 34.2371



32.8996, 26.5789, 35.7454

# 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.



48.7204, 40.5567, 41.1469



30.5118, 40.5567, 34.2371



44.4534, 40.5567, 69.6705

# Square

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



30.5118, 40.5567, 34.2371



34.9067, 40.5567, 73.9337



47.8840, 40.5567, 55.8343



42.4339, 40.5567, 23.6925



# Rectangle

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



30.5118, 40.5567, 34.2371



30.6961, 40.5567, 57.3920



47.8840, 40.5567, 55.8343



47.6361, 40.5567, 33.1351

# Sweetspot

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



30.5129, 40.5584, 34.2380



73.0086, 82.1805, 83.8090



34.7881, 42.9740, 24.8740



15.4761, 17.5873, 17.7624



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.



30.5129, 40.5584, 34.2380



51.1966, 71.5186, 56.4683



33.2877, 41.6683, 48.8497



9.0424, 10.1209, 10.3806



12.7739, 24.0105, 8.9972



0.4814, 0.8588, 0.4807



# Inverse Universe

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



32.8996, 26.5789, 35.7454



56.1456, 42.5113, 59.5798



30.5695, 25.6468, 23.4753



9.2173, 9.0973, 10.4919



15.4825, 7.7668, 10.4277



0.5759, 0.2859, 0.5264



# Previews

## White Background



This preview shows how the XYZ color 30.5118, 40.5567, 34.2371 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

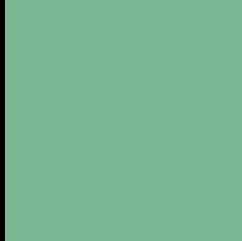
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.5118, 40.5567, 34.2371 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 30.5118, 40.5567, 34.2371**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.5118, 40.5567, 34.2371.



This preview shows how white text looks on a background with the XYZ color 30.5118, 40.5567,



# 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

30.5118, 40.5567, 34.2371

### Protanopia

38.0048, 40.3758, 30.9895

### Deuteranopia

40.9353, 40.1554, 35.2990



## Tritanopia

34.7949, 40.4719, 55.8471

# Trichromacy



## Original Color

30.5118, 40.5567, 34.2371

## Protanomaly

34.6621, 40.0445, 32.2880

## Deuteranomaly

36.0852, 39.5757, 35.0151

## Tritanomaly

33.0598, 40.3663, 47.1233

# Monochromacy



## Original Color

30.5118, 40.5567, 34.2371

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

32.2213, 36.9793, 36.8920

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.5118, 40.5567, 34.2371 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(122, 184, 148)` looks like.

```
.text, #text, p{  
    color:rgb(122, 184, 148)  
}
```

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(122, 184, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 184, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 30.5118, 40.5567, 34.2371 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(122, 184, 148) }
```



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

```
.border{ border-color:rgb(122, 184, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 184, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 184, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 184, 148);  
box-shadow:4px 4px 4px 4px rgb(122, 184,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.5118, 40.5567, 34.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 184, 148) }
```

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

```
.background{ background-color: rgb(122,  
184, 148) }
```

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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