

# Converting Colors

XYZ(41.2443, 52.1660, 30.5273)

Have a look what the booklet for  
XYZ(41.2443, 52.1660, 30.5273)  
contains.

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# Color

**XYZ(41.1495, 52.0693,  
30.4358)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A6CA86
RGB	166, 202, 134
RGB Percent	65%, 79%, 53%
CMY	0.3490, 0.2078, 0.4745
CMYK	0.18, 0.00, 0.34, 0.21
HSL	92°, 39%, 66%
HSV	92°, 34%, 79%
XYZ	41.1495, 52.0693, 30.4358
YIQ	183.4840, 0.3720, -28.7800

# Conversions

## Conversions Part 2

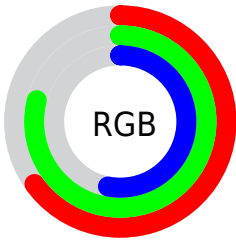
Format	Color
<a href="#">RYB</a>	<a href="#">134, 202, 170</a>
Decimal	<a href="#">10930822</a>
CIELab	<a href="#">77.32, -24.00, 30.13</a>
CIELCh	<a href="#">77, 38.522, 128.539</a>
Yxy	<a href="#">52.0693, 0.3328, 0.4211</a>
Android (android.graphics.Color)	<a href="#">4289120902 (0xFFA6CA86)</a>
YUV	<a href="#">183.4840, -24.3956, -15.3335</a>
Hunter-Lab	<a href="#">72.1591, -24.4868, 25.5036</a>

# Details

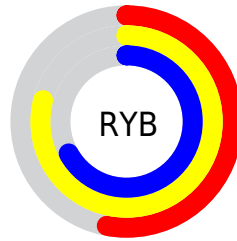
The XYZ color **41.1495, 52.0693, 30.4358** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.7655, 29.8620, 59.7589**, and the grayscale version is **45.4066, 47.7713, 52.0230**.

A 20% lighter version of the original color is **74.9613, 90.6804, 61.1291**, and **18.9613, 25.3151, 12.0705** is the 20% darker color. If you saturate the color by 10%, you get **37.7238, 50.4524, 23.6105**, and if you desaturate by 10%, it is **45.0334, 53.8945, 38.6895**.

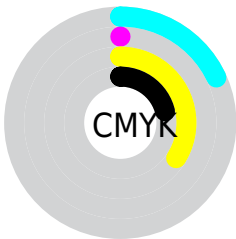
# Distribution



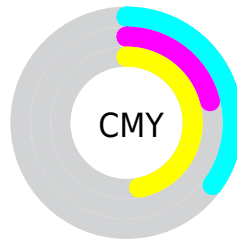
- Red (65%)
- Green (79%)
- Blue (53%)



- Red (53%)
- Yellow (79%)
- Blue (67%)



- Cyan (18%)
- Magenta (0%)
- Yellow (34%)
- Black (21%)



- Cyan (35%)
- Magenta (21%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1495, 52.0693, 30.4358 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 41.1495, 52.0693, 30.4358 by changing the saturation by 10% instead.



■ 41.1495, 52.0693,  
30.4358

■ 41.1495, 52.0693,  
30.4358

341.9970,  
394.7041, 318.2009

■ 28.6241, 37.0603,  
19.9148

■ 76.1841, 93.2334,  
61.4198

■ 18.9395, 25.2542,  
12.1496

■ 99.4239, 120.1574,  
82.7199

■ 11.7303, 16.2665,  
6.7219

■ 126.9660,  
151.8218, 108.4500

■ 6.6312, 9.7130,  
3.2130

159.1757,  
188.6110, 139.0288

■ 3.2768, 5.2091,  
1.2044

196.4182,  
230.9094, 174.8747

■ 1.3018, 2.3704,  
0.0000

239.0591,

■ 0.1846, 0.8106,

279.1015, 216.4063

0.0000

287.4635,  
333.5716, 264.0422

■ 0.0000, 0.0000,  
0.0000

■ 41.1495, 52.0693,  
30.4358

■ 41.1495, 52.0693,  
30.4358

■ 37.7238, 50.4524,  
23.6105

■ 45.0334, 53.8945,  
38.6895

■ 34.7326, 49.0286,  
18.1289

■ 49.3902, 55.9291,  
48.4429

■ 32.1555, 47.7910,  
13.9030


■ 54.2385, 58.1829,  
59.7667


■ 29.9687, 46.7293,  
10.8325


■ 59.5948, 60.6629,  
72.7260


■ 28.1452, 45.8323,  
8.8019


■ 65.4746, 63.3757,  
87.3824


 26.6532, 45.0866,  
7.6718

 71.8598, 66.3146,  
103.6203

 25.8464, 44.6790,  
7.2617

 75.4018, 68.1406,  
103.7861

 79.1580, 70.0770,  
103.9619

 80.4116, 70.7232,  
104.0205

# Harmonies

## Analogous

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



47.4089, 52.0693, 25.2070



41.1495, 52.0693, 30.4358



37.4019, 52.0693, 43.0632

# Triad

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



41.1495, 52.0693, 30.4358



44.4684, 52.0693, 103.6637



64.9249, 52.0693, 50.8605

# Complementary

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



41.1495, 52.0693, 30.4358



35.7655, 29.8620, 59.7589

# 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.



63.9375, 52.0693, 72.9361



41.1495, 52.0693, 30.4358



51.6317, 52.0693, 107.2509

# Square

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



41.1495, 52.0693, 30.4358



39.1811, 52.0693, 86.0386



58.8883, 52.0693, 94.8828



61.4657, 52.0693, 34.9198



# Rectangle

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



41.1495, 52.0693, 30.4358



36.5937, 52.0693, 55.6628



58.8883, 52.0693, 94.8828



65.1085, 52.0693, 57.7391

# Sweetspot

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



41.1508, 52.0716, 30.4369



86.4190, 95.9938, 88.4692



42.8750, 42.7053, 28.5382



18.2526, 20.4328, 18.3696



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

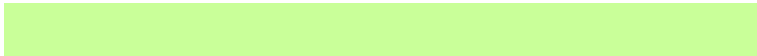


# Same Dimension

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



41.1508, 52.0716, 30.4369



65.5961, 86.2368, 43.3251



35.3362, 49.0648, 30.5797



11.5616, 12.7914, 11.9391



16.7322, 28.8010, 4.6773



0.9506, 1.5309, 0.2454



# Inverse Universe

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



35.7655, 29.8620, 59.7589



55.1745, 43.2685, 100.0514



43.4112, 33.8189, 59.4187



11.1593, 11.1314, 14.1308



10.8615, 4.8069, 36.3116



0.6475, 0.2929, 1.8774



# Previews

## White Background



This preview shows how the XYZ color 41.1495, 52.0693, 30.4358 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 41.1495, 52.0693, 30.4358 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 41.1495, 52.0693, 30.4358**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.1495, 52.0693, 30.4358.



This preview shows how white text looks on a background with the XYZ color 41.1495, 52.0693,

30.4358.

# 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

41.1495, 52.0693, 30.4358

### Protanopia

47.8295, 51.5337, 28.1950

### Deuteranopia

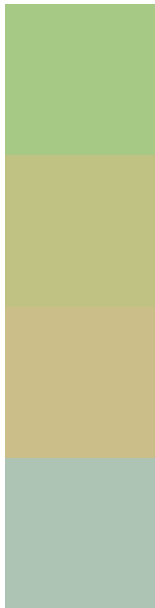
52.8850, 51.8707, 31.2695



## Tritanopia

48.5866, 52.0411, 67.1587

# Trichromacy



## Original Color

41.1495, 52.0693, 30.4358

## Protanomaly

44.8744, 51.2986, 29.0092

## Deuteranomaly

47.8307, 51.4704, 31.0808

## Tritanomaly

45.3140, 51.7003, 51.3069

# Monochromacy



## Original Color

41.1495, 52.0693, 30.4358

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

43.3364, 48.8906, 42.7501

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.1495, 52.0693, 30.4358 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(166, 202, 134)` looks like.

```
.text, #text, p{  
    color:rgb(166, 202, 134)  
}
```

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(166, 202, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 202, 134) }
```

## Border

The CSS property to change the border of an element to XYZ 41.1495, 52.0693, 30.4358 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(166, 202, 134) }
```



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

```
.border{ border-color:rgb(166, 202, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 202, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 202, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 202, 134);  
box-shadow:4px 4px 4px 4px rgb(166, 202,  
134) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.1495, 52.0693, 30.4358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 202, 134) }
```

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

```
.background{ background-color: rgb(166,  
202, 134) }
```

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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