

# Converting Colors

XYZ(41.8393, 52.6407, 30.6061)

Have a look what the booklet for  
XYZ(41.8393, 52.6407, 30.6061)  
contains.

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# Color

**XYZ(41.8075, 52.7579,  
30.5341)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A8CB86
RGB	168, 203, 134
RGB Percent	66%, 80%, 53%
CMY	0.3412, 0.2039, 0.4745
CMYK	0.17, 0.00, 0.34, 0.20
HSL	90°, 40%, 66%
HSV	90°, 34%, 80%
XYZ	41.8075, 52.7579, 30.5341
YIQ	184.6690, 1.2890, -28.8790

# Conversions

## Conversions Part 2

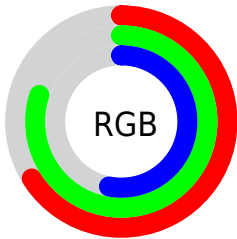
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">134, 203, 169</a>
Decimal	<a href="#">11062150</a>
CIELab	<a href="#">77.73, -23.76, 30.70</a>
CIELCh	<a href="#">78, 38.819, 127.742</a>
Yxy	<a href="#">52.7579, 0.3342, 0.4217</a>
Android (android.graphics.Color)	<a href="#">4289252230 (0xFFA8CB86)</a>
YUV	<a href="#">184.6690, -24.9798, -14.6187</a>
Hunter-Lab	<a href="#">72.6346, -24.3685, 25.9200</a>

# Details

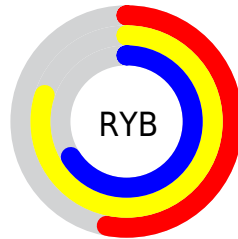
The XYZ color **41.8075, 52.7579, 30.5341** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.6689, 29.7985, 60.3744**, and the grayscale version is **46.0652, 48.4642, 52.7775**.

A 20% lighter version of the original color is **75.5776, 90.9981, 61.1580**, and **19.3790, 25.7643, 12.1352** is the 20% darker color. If you saturate the color by 10%, you get **38.4194, 51.1611, 23.6809**, and if you desaturate by 10%, it is **45.6437, 54.5576, 38.8292**.

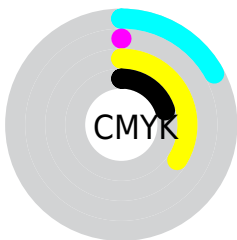
# Distribution



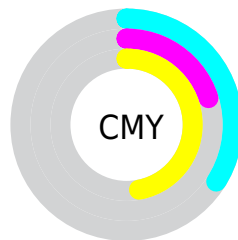
- Red (66%)
- Green (80%)
- Blue (53%)



- Red (53%)
- Yellow (80%)
- Blue (66%)



- Cyan (17%)
- Magenta (0%)
- Yellow (34%)
- Black (20%)



- Cyan (34%)
- Magenta (20%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8075, 52.7579, 30.5341 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 41.8075, 52.7579, 30.5341 by changing the saturation by 10% instead.



■ 41.8075, 52.7579,  
30.5341

■ 41.8075, 52.7579,  
30.5341

344.6895,  
397.3556, 318.6706

■ 29.1410, 37.6095,  
19.9889

■ 77.1752, 94.2480,  
61.5768

■ 19.3324, 25.6798,  
12.2029

■ 100.6071,  
121.3586, 82.9113

■ 12.0161, 16.5842,  
6.7578

■ 128.3583,  
153.2253, 108.6793

■ 6.8269, 9.9385,  
3.2350

160.7940,  
190.2326, 139.2993

■ 3.3995, 5.3582,  
1.2158

198.2796,  
232.7649, 175.1899

■ 1.3684, 2.4589,  
0.0000

241.1805,

■ 0.2335, 0.8560,

281.2066, 216.7696

0.0000

289.8620,  
335.9420, 264.4570

0.0000, 0.0000,  
0.0000

41.8075, 52.7579,  
30.5341

41.8075, 52.7579,  
30.5341

38.4194, 51.1611,  
23.6809

45.6437, 54.5576,  
38.8292

35.4559, 49.7520,  
18.1837

49.9423, 56.5609,  
48.6385

32.8969, 48.5237,  
13.9530


54.7218, 58.7775,  
60.0337


30.7189, 47.4665,  
10.8870


59.9981, 61.2143,  
73.0808


28.8950, 46.5691,  
8.8682


65.7868, 63.8777,  
87.8422


 27.3937, 45.8182,  
7.7543

 71.9725, 66.7221,  
103.6930

 26.6151, 45.4247,  
7.3651

 75.3718, 68.4746,  
103.8521

 78.9696, 70.3293,  
104.0205

 80.6470, 71.1940,  
104.0990

# Harmonies

## Analogous

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



48.2228, 52.7579, 25.4147



41.8075, 52.7579, 30.5341



37.9220, 52.7579, 43.1481

# Triad

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



41.8075, 52.7579, 30.5341



44.8667, 52.7579, 104.9032



65.8740, 52.7579, 52.0464

# Complementary

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



41.8075, 52.7579, 30.5341



35.6689, 29.7985, 60.3744

# 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.



64.7467, 52.7579, 74.5939



41.8075, 52.7579, 30.5341



52.1173, 52.7579, 109.0000

# Square

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



41.8075, 52.7579, 30.5341



39.5613, 52.7579, 86.6909



59.5228, 52.7579, 96.7904



62.4652, 52.7579, 35.6489



# Rectangle

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



41.8075, 52.7579, 30.5341



37.0442, 52.7579, 55.8288



59.5228, 52.7579, 96.7904



66.0187, 52.7579, 59.0908

# Sweetspot

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



41.8088, 52.7602, 30.5352



86.6128, 96.0937, 88.4783



43.0288, 42.6099, 28.5117



18.2994, 20.4569, 18.3718



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

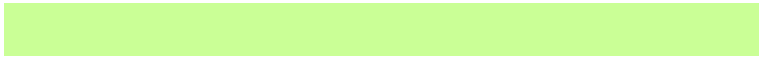


# Same Dimension

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



41.8088, 52.7602, 30.5352



65.6486, 86.2880, 42.2397



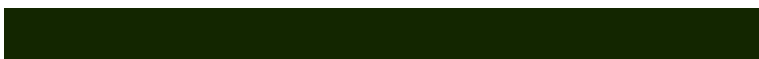
35.4921, 49.5038, 30.2396



11.5856, 12.8038, 11.9402



17.0417, 28.9606, 4.6918



0.9667, 1.5392, 0.2461



# Inverse Universe

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



35.6689, 29.7985, 60.3744



53.7896, 41.9415, 99.8682



43.9353, 34.0600, 60.7613



11.1351, 11.1190, 14.1297



10.5235, 4.6326, 36.2958



0.6304, 0.2841, 1.8766



# Previews

## White Background



This preview shows how the XYZ color 41.8075, 52.7579, 30.5341 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

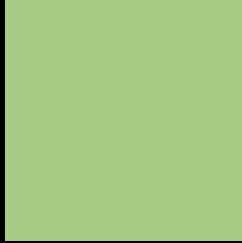
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.8075, 52.7579, 30.5341 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

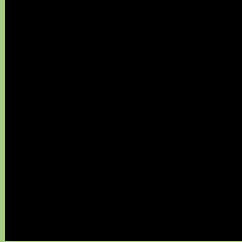
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 41.8075, 52.7579, 30.5341

## Background



This preview shows how black text looks on a background with the XYZ color 41.8075, 52.7579, 30.5341.



This preview shows how white text looks on a background with the XYZ color 41.8075, 52.7579,



# 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

41.8075, 52.7579, 30.5341

### Protanopia

48.8245, 52.6941, 28.3665

### Deuteranopia

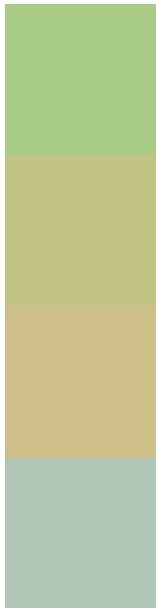
53.4065, 52.4469, 31.3532



## Tritanopia

49.3908, 52.7707, 67.9042

# Trichromacy



## Original Color

41.8075, 52.7579, 30.5341

## Protanomaly

45.8290, 52.4560, 29.1823

## Deuteranomaly

48.5998, 52.1896, 31.1790

## Tritanomaly

46.0889, 52.4239, 51.9456

# Monochromacy



## Original Color

41.8075, 52.7579, 30.5341

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

44.3230, 50.0362, 43.3983

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8075, 52.7579, 30.5341 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(168, 203, 134)` looks like.

```
.text, #text, p{  
    color:rgb(168, 203, 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(168, 203, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 203, 134) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8075, 52.7579, 30.5341 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(168, 203, 134) }
```



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

```
.border{ border-color:rgb(168, 203, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 203, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 203, 134); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 203, 134); box-shadow:4px 4px 4px 4px rgb(168, 203, 134) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8075, 52.7579, 30.5341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 203, 134) }
```

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

```
.background{ background-color: rgb(168,  
203, 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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