

# Converting Colors

XYZ(41.9106, 55.9524, 52.8469)

Have a look what the booklet for  
XYZ(41.9106, 55.9524, 52.8469)  
contains.

<b>XYZ(41.9106, 55.9524, 52.8469)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(41.9106, 55.9524,  
52.8469)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85D5B6
RGB	133, 213, 182
RGB Percent	52%, 84%, 71%
CMY	0.4784, 0.1647, 0.2863
CMYK	0.38, 0.00, 0.15, 0.16
HSL	157°, 49%, 68%
HSV	157°, 38%, 84%
XYZ	41.9106, 55.9524, 52.8469
YIQ	185.5460, -37.7290, -26.6010

# Conversions

## Conversions Part 2

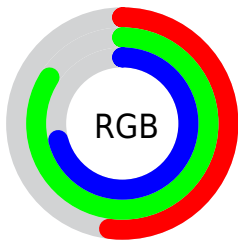
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">133, 183, 213</a>
Decimal	<a href="#">8770998</a>
CIELab	<a href="#">79.59, -31.44, 7.63</a>
CIELCh	<a href="#">80, 32.357, 166.361</a>
Yxy	<a href="#">55.9524, 0.2781, 0.3713</a>
Android (android.graphics.Color)	<a href="#">4286961078 (0xFF85D5B6)</a>
YUV	<a href="#">185.5460, -1.7482, -46.0828</a>
Hunter-Lab	<a href="#">74.8013, -30.8902, 10.4727</a>

# Details

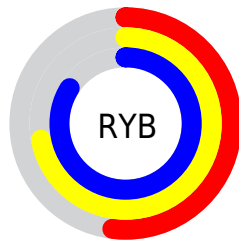
The XYZ color **41.9106, 55.9524, 52.8469** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.5308, 33.6030, 39.3686**, and the grayscale version is **46.4441, 48.8628, 53.2116**.

A 20% lighter version of the original color is **72.1789, 88.5119, 94.1692**, and **19.4138, 27.7010, 25.0925** is the 20% darker color. If you saturate the color by 10%, you get **38.0548, 54.0618, 48.3446**, and if you desaturate by 10%, it is **46.5017, 58.2192, 57.6485**.

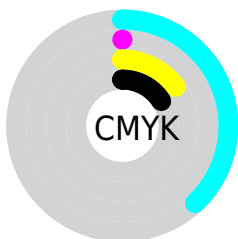
# Distribution



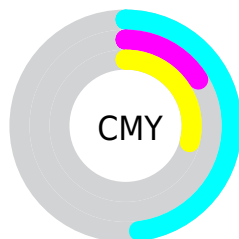
- Red (52%)
- Green (84%)
- Blue (71%)



- Red (52%)
- Yellow (72%)
- Blue (84%)



- Cyan (38%)
- Magenta (0%)
- Yellow (15%)
- Black (16%)



- Cyan (48%)
- Magenta (16%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9106, 55.9524, 52.8469 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 41.9106, 55.9524, 52.8469 by changing the saturation by 10% instead.



■ 41.9106, 55.9524,  
52.8469

■ 41.9106, 55.9524,  
52.8469

345.1101,  
409.5121, 414.7471

■ 29.2221, 40.1648,  
37.2937

■ 77.3303, 98.9350,  
95.8183

■ 19.3940, 27.6670,  
25.1374

■ 100.7922,  
126.8987, 124.0736

■ 12.0610, 18.0748,  
15.9595

■ 128.5760,  
159.6899, 157.3999

■ 6.8577, 11.0037,  
9.3414

161.0470,  
197.6930, 196.2159

■ 3.4188, 6.0693,  
4.8647

198.5706,  
241.2924, 240.9401

■ 1.3789, 2.8873,  
2.1108

241.5120,

■ 0.2411, 1.0732,

290.8724, 291.9910

0.6222

290.2368,  
346.8175, 349.7871

■ 0.0000, 0.0000,  
0.0000

■ 41.9106, 55.9524,  
52.8469

■ 41.9106, 55.9524,  
52.8469

■ 38.0548, 54.0618,  
48.3446

■ 46.5017, 58.2192,  
57.6485

■ 34.8874, 52.5189,  
44.1314

■ 51.8622, 60.8752,  
62.7519

■ 32.3629, 51.3019,  
40.2017


■ 58.0297, 63.9413,  
68.1642


■ 30.4283, 50.3834,  
36.5484


■ 65.0379, 67.4346,  
73.8911


■ 29.0218, 49.7318,  
33.1636


■ 72.9186, 71.3716,  
79.9383


 28.0578, 49.3030,  
30.0384

 79.5337, 74.6499,  
86.2097

 27.8555, 49.2146,  
29.3127

 80.7311, 75.1288,  
92.5148

 81.9842, 75.6300,  
99.1137

 83.0852, 76.0705,  
104.9117

# Harmonies

## Analogous

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



44.6191, 55.9524, 39.3628



41.9106, 55.9524, 52.8469



42.0422, 55.9524, 71.5999

# Triad

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



41.9106, 55.9524, 52.8469



56.7891, 55.9524, 102.2463



62.3049, 55.9524, 38.4689

# Complementary

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



41.9106, 55.9524, 52.8469



42.5308, 33.6030, 39.3686

# 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.



66.1318, 55.9524, 51.3635



41.9106, 55.9524, 52.8469



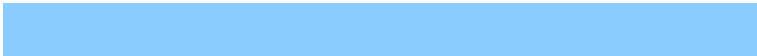
62.7738, 55.9524, 89.1930

# Square

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



41.9106, 55.9524, 52.8469



50.2810, 55.9524, 102.8706



66.3101, 55.9524, 69.7819



56.1906, 55.9524, 32.2814



# Rectangle

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



41.9106, 55.9524, 52.8469



43.7158, 55.9524, 84.7692



66.3101, 55.9524, 69.7819



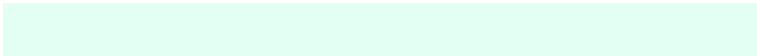
63.9226, 55.9524, 42.0287

# Sweetspot

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



41.9121, 55.9547, 52.8482



83.7717, 94.3823, 99.4939



43.5467, 57.2836, 30.9529



17.6561, 20.0652, 21.0563



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

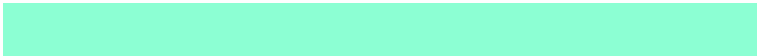


# Same Dimension

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



41.9121, 55.9547, 52.8482



58.3167, 81.7969, 74.0356



43.5162, 53.4555, 70.9778



12.5788, 14.0225, 14.8624



17.0660, 30.0818, 18.1752



1.0693, 1.8304, 1.3068



# Inverse Universe

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



42.5308, 33.6030, 39.3686



59.3819, 43.5802, 51.0251



41.2008, 34.8908, 26.7543



12.6205, 12.4997, 13.9417



17.7514, 9.0369, 5.9952

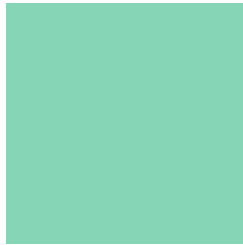


1.1106, 0.5610, 0.5719



# Previews

## White Background



This preview shows how the XYZ color 41.9106, 55.9524, 52.8469 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

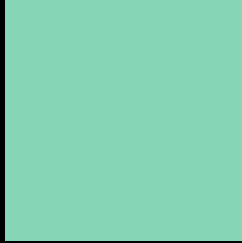
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.9106, 55.9524, 52.8469 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 41.9106, 55.9524, 52.8469**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.9106, 55.9524, 52.8469.



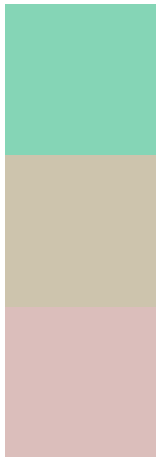
This preview shows how white text looks on a background with the XYZ color 41.9106, 55.9524,

52.8469.

# 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

41.9106, 55.9524, 52.8469

### Protanopia

52.4596, 55.4761, 47.4782

### Deuteranopia

56.5965, 55.4748, 54.7385



## Tritanopia

47.0951, 55.8471, 78.8184

# Trichromacy



## Original Color

41.9106, 55.9524, 52.8469



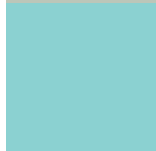
## Protanomaly

47.5474, 54.9594, 49.1765



## Deuteranomaly

49.6901, 54.5823, 53.8154



## Tritanomaly

44.9565, 55.6933, 68.7020

# Monochromacy



## Original Color

41.9106, 55.9524, 52.8469



## Achromatopsia

46.6715, 49.1021, 53.4722



## Achromatomaly

44.4332, 51.1981, 53.4393

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.9106, 55.9524, 52.8469 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(133, 213, 182)` looks like.

```
.text, #text, p{  
    color:rgb(133, 213, 182)  
}
```

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(133, 213, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 213, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 41.9106, 55.9524, 52.8469 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(133, 213, 182) }
```



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

```
.border{ border-color:rgb(133, 213, 182) }
```

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

Here you see how a box with a 4 pixel rgb(133, 213, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 213, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 213, 182);  
box-shadow:4px 4px 4px 4px rgb(133, 213,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.9106, 55.9524, 52.8469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 213, 182) }
```

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

```
.background{ background-color: rgb(133,  
213, 182) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor