

# Converting Colors

XYZ(41.7976, 52.0321, 25.2173)

Have a look what the booklet for  
XYZ(41.7976, 52.0321, 25.2173)  
contains.

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# Color

**XYZ(41.8956, 52.2192,  
25.3239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFC977
RGB	175, 201, 119
RGB Percent	69%, 79%, 47%
CMY	0.3137, 0.2117, 0.5333
CMYK	0.13, 0.00, 0.41, 0.21
HSL	79°, 43%, 63%
HSV	79°, 41%, 79%
XYZ	41.8956, 52.2192, 25.3239
YIQ	183.8780, 10.8260, -31.0140

# Conversions

## Conversions Part 2

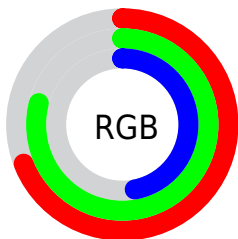
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 201, 145
Decimal	11520375
CIELab	77.41, -22.11, 38.06
CIELCh	77, 44.018, 120.159
Yxy	52.2192, 0.3508, 0.4372
Android (android.graphics.Color)	4289710455 (0xFFAFC977)
YUV	183.8780, -31.9849, -7.7860
Hunter-Lab	72.2629, -22.9716, 29.8063

# Details

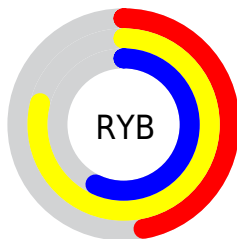
The XYZ color **41.8956, 52.2192, 25.3239** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.8186, 23.4318, 58.2653**, and the grayscale version is **45.6606, 48.0385, 52.3139**.

A 20% lighter version of the original color is **76.4851, 91.6544, 52.6896**, and **19.3931, 25.3621, 9.5035** is the 20% darker color. If you saturate the color by 10%, you get **39.4172, 51.0682, 19.5594**, and if you desaturate by 10%, it is **44.6995, 53.5117, 32.4383**.

# Distribution



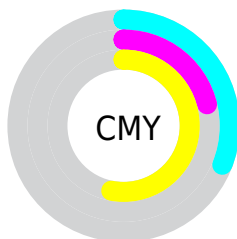
- Red (69%)
- Green (79%)
- Blue (47%)



- Red (47%)
- Yellow (79%)
- Blue (57%)



- Cyan (13%)
- Magenta (0%)
- Yellow (41%)
- Black (21%)




- Cyan (31%)
- Magenta (21%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8956, 52.2192, 25.3239 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 41.8956, 52.2192, 25.3239 by changing the saturation by 10% instead.





 41.8956, 52.2192,  
25.3239


 41.8956, 52.2192,  
25.3239


345.0490,  
395.2823, 292.9463

 29.2103, 37.1798,  
16.0973


 77.3078, 93.4544,  
53.1528

 19.3851, 25.3468,  
9.4379


 100.7653,  
120.4191, 72.5922

 12.0545, 16.3356,  
4.9272

 128.5444,  
152.1276, 96.2730

 6.8533, 9.7619,  
2.1466

161.0102,  
188.9644, 124.6137

 3.4160, 5.2414,  
0.6433

198.5282,  
231.3139, 158.0328

 1.3774, 2.3896,  
0.0000

241.4638,

 0.2400, 0.8205,

279.5604, 196.9490

0.0000

290.1823,  
334.0884, 241.7806

■ 0.0000, 0.0000,  
0.0000

■ 41.8956, 52.2192,  
25.3239

■ 41.8956, 52.2192,  
25.3239

■ 39.4172, 51.0682,  
19.5594

■ 44.6995, 53.5117,  
32.4383

■ 37.2432, 50.0449,  
15.0560

■ 47.8406, 54.9453,  
40.9774

■ 35.3560, 49.1439,  
11.7194


■ 51.3350, 56.5282,  
51.0144


■ 33.7338, 48.3564,  
9.4407


■ 55.1961, 58.2659,  
62.6165


■ 32.3510, 47.6720,  
8.0905


■ 59.4368, 60.1636,  
75.8468

 31.2473, 47.1161,  
7.4474

 64.0694, 62.2264,  
90.7650

 68.3382, 64.1521,  
103.3885

 70.3002, 65.1635,  
103.4803

 72.3364, 66.2132,  
103.5756

# Harmonies

## Analogous

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



49.5877, 52.2192, 21.8190



41.8956, 52.2192, 25.3239



36.8095, 52.2192, 36.6717

# Triad

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



41.8956, 52.2192, 25.3239



41.9653, 52.2192, 107.6406



67.7555, 52.2192, 56.7289

# Complementary

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



41.8956, 52.2192, 25.3239



28.8186, 23.4318, 58.2653

# 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.



65.1340, 52.2192, 83.3539



41.8956, 52.2192, 25.3239



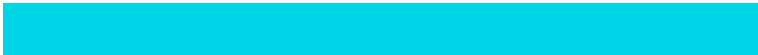
49.6778, 52.2192, 117.3800

# Square

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



41.8956, 52.2192, 25.3239



36.8465, 52.2192, 83.6426



58.2683, 52.2192, 107.4433



65.0800, 52.2192, 36.5051



# Rectangle

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



41.8956, 52.2192, 25.3239



35.2596, 52.2192, 49.2559



58.2683, 52.2192, 107.4433



67.4612, 52.2192, 65.2042

# Sweetspot

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



41.8969, 52.2215, 25.3250



87.0284, 96.3893, 84.8239



37.5394, 33.9917, 22.0360



18.4529, 20.5523, 17.6465



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

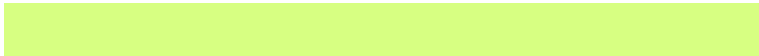


# Same Dimension

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



41.8969, 52.2215, 25.3250



67.9273, 87.6370, 34.4722



34.0550, 48.1789, 24.9580



11.1841, 12.2419, 11.3362



19.7445, 29.6739, 4.6870



1.0076, 1.4425, 0.2253



# Inverse Universe

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



28.8186, 23.4318, 58.2653



42.5466, 31.7084, 98.4856



37.3830, 27.8469, 58.6661



10.3680, 10.4480, 13.3877



8.0324, 3.3751, 34.9725



0.4562, 0.1989, 1.6595



# Previews

## White Background



This preview shows how the XYZ color 41.8956, 52.2192, 25.3239 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 41.8956, 52.2192, 25.3239 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

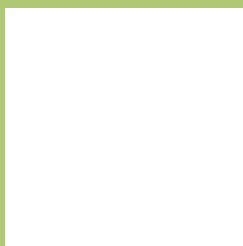
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.8956, 52.2192, 25.3239**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.8956, 52.2192, 25.3239.



This preview shows how white text looks on a background with the XYZ color 41.8956, 52.2192,

25.3239.

# 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

41.8956, 52.2192, 25.3239

### Protanopia

48.0198, 52.0547, 23.7363

### Deuteranopia

52.9362, 51.7090, 25.9297



## Tritanopia

50.0211, 52.1569, 65.8234

# Trichromacy



## Original Color

41.8956, 52.2192, 25.3239

## Protanomaly

45.6935, 52.1615, 24.1829

## Deuteranomaly

48.2888, 51.5020, 25.8081

## Tritanomaly

46.4465, 52.0313, 47.6395

# Monochromacy



## Original Color

41.8956, 52.2192, 25.3239

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

43.8147, 49.1887, 40.4428

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8956, 52.2192, 25.3239 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(175, 201, 119)` looks like.

```
.text, #text, p{  
    color:rgb(175, 201, 119)  
}
```

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(175, 201, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 201, 119) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8956, 52.2192, 25.3239 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(175, 201, 119) }
```



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

```
.border{ border-color:rgb(175, 201, 119) }
```

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

Here you see how a box with a 4 pixel rgb(175, 201, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 201, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 201, 119);  
box-shadow:4px 4px 4px 4px rgb(175, 201,  
119) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8956, 52.2192, 25.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 201, 119) }
```

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

```
.background{ background-color: rgb(175,  
201, 119) }
```

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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