

# Converting Colors

XYZ(41.6362, 52.0867, 25.4770)

Have a look what the booklet for  
XYZ(41.6362, 52.0867, 25.4770)  
contains.

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# Color

**XYZ(41.7324, 52.1280,  
25.6315)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AEC978
RGB	174, 201, 120
RGB Percent	68%, 79%, 47%
CMY	0.3176, 0.2117, 0.5294
CMYK	0.13, 0.00, 0.40, 0.21
HSL	80°, 43%, 63%
HSV	80°, 40%, 79%
XYZ	41.7324, 52.1280, 25.6315
YIQ	183.6930, 9.9090, -30.9150

# Conversions

## Conversions Part 2

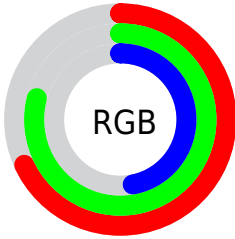
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 201, 147
Decimal	11454840
CIELab	77.36, -22.37, 37.47
CIELCh	77, 43.642, 120.843
Yxy	52.1280, 0.3492, 0.4362
Android (android.graphics.Color)	4289644920 (0xFFAEC978)
YUV	183.6930, -31.4006, -8.5008
Hunter-Lab	72.1997, -23.1741, 29.4914

# Details

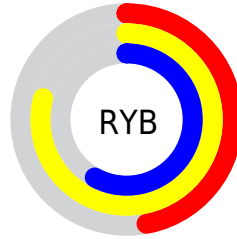
The XYZ color **41.7324, 52.1280, 25.6315** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **29.2937, 23.8544, 58.3216**, and the grayscale version is **45.5556, 47.9280, 52.1936**.

A 20% lighter version of the original color is **76.2578, 91.5261, 53.1822**, and **19.2849, 25.3027, 9.6618** is the 20% darker color. If you saturate the color by 10%, you get **39.1829, 50.9418, 19.7993**, and if you desaturate by 10%, it is **44.6151, 53.4597, 32.8180**.

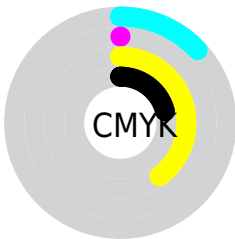
# Distribution



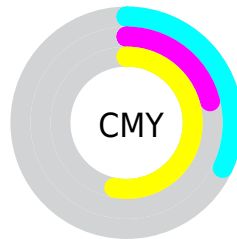
- Red (68%)
- Green (79%)
- Blue (47%)



- Red (47%)
- Yellow (79%)
- Blue (58%)



- Cyan (13%)
- Magenta (0%)
- Yellow (40%)
- Black (21%)



- Cyan (32%)
- Magenta (21%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7324, 52.1280, 25.6315 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 41.7324, 52.1280, 25.6315 by changing the saturation by 10% instead.



■ 41.7324, 52.1280,  
25.6315

■ 41.7324, 52.1280,  
25.6315

344.3830,  
394.9306, 294.5161

■ 29.0820, 37.1071,  
16.3249

■ 77.0622, 93.3200,  
53.6566

■ 19.2875, 25.2904,  
9.5975

■ 100.4723,  
120.2599, 73.2122

■ 11.9834, 16.2936,  
5.0308

■ 128.1996,  
151.9415, 97.0212

■ 6.8045, 9.7321,  
2.2063

160.6096,  
188.7494, 125.5021

■ 3.3854, 5.2217,  
0.6780

198.0676,  
231.0678, 159.0736

■ 1.3607, 2.3779,  
0.0000

240.9389,

■ 0.2280, 0.8145,

279.2812, 198.1540

0.0000

289.5889,  
333.7740, 243.1620

■ 0.0000, 0.0000,  
0.0000

■ 41.7324, 52.1280,  
25.6315

■ 41.7324, 52.1280,  
25.6315

■ 39.1829, 50.9418,  
19.7993

■ 44.6151, 53.4597,  
32.8180

■ 36.9455, 49.8871,  
15.2330

■ 47.8428, 54.9363,  
41.4332

■ 35.0024, 48.9585,  
11.8388


■ 51.4316, 56.5662,  
51.5501


■ 33.3318, 48.1472,  
9.5086


■ 55.3953, 58.3550,  
63.2356


■ 31.9085, 47.4428,  
8.1143


■ 59.7466, 60.3079,  
76.5527

 30.7184, 46.8433,  
7.4226

 64.4979, 62.4300,  
91.5610

 68.7284, 64.3531,  
103.4068

 70.8086, 65.4255,  
103.5041

 72.9712, 66.5403,  
103.6053

# Harmonies

## Analogous

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



49.3093, 52.1280, 21.9799



41.7324, 52.1280, 25.6315



36.7596, 52.1280, 37.1059

# Triad

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



41.7324, 52.1280, 25.6315



42.0998, 52.1280, 107.3760



67.4759, 52.1280, 56.0820

# Complementary

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



41.7324, 52.1280, 25.6315



29.2937, 23.8544, 58.3216

# 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.



64.9993, 52.1280, 82.3538



41.7324, 52.1280, 25.6315



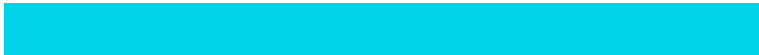
49.7836, 52.1280, 116.5671

# Square

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



41.7324, 52.1280, 25.6315



36.9543, 52.1280, 83.8708



58.2789, 52.1280, 106.3404



64.7155, 52.1280, 36.2268



# Rectangle

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



41.7324, 52.1280, 25.6315



35.2743, 52.1280, 49.7238



58.2789, 52.1280, 106.3404



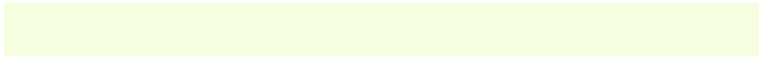
67.2259, 52.1280, 64.4273

# Sweetspot

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



41.7337, 52.1303, 25.6326



86.8549, 96.2998, 84.8158



37.9132, 34.6427, 22.4585



18.4119, 20.5311, 17.6446



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.



41.7337, 52.1303, 25.6326



67.7545, 87.5279, 35.3692



34.0305, 48.1592, 25.2721



11.1671, 12.2331, 11.3354



19.4140, 29.5036, 4.6715



0.9937, 1.4354, 0.2247



# Inverse Universe

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



29.2937, 23.8544, 58.3216



43.7062, 32.8162, 98.6383



37.8770, 28.2793, 58.7233



10.3843, 10.4564, 13.3885



8.1721, 3.4471, 34.9790



0.4641, 0.2030, 1.6599



# Previews

## White Background



This preview shows how the XYZ color 41.7324, 52.1280, 25.6315 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 41.7324, 52.1280, 25.6315 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 41.7324, 52.1280, 25.6315**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.7324, 52.1280, 25.6315.



This preview shows how white text looks on a background with the XYZ color 41.7324, 52.1280,



# 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

41.7324, 52.1280, 25.6315

### Protanopia

47.7956, 51.9325, 24.0279

### Deuteranopia

52.6791, 51.5691, 26.2461



## **Tritanopia**

49.7790, 52.0321, 65.8121

# Trichromacy



## Original Color

41.7324, 52.1280, 25.6315

## Protanomaly

45.4909, 52.0503, 24.4787

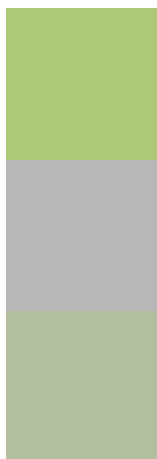
## Deuteranomaly

48.0672, 51.3806, 26.1229

## Tritanomaly

46.3090, 51.9491, 48.1439

# Monochromacy



## Original Color

41.7324, 52.1280, 25.6315

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

43.6689, 49.1034, 40.8945

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.7324, 52.1280, 25.6315 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(174, 201, 120)` looks like.

```
.text, #text, p{  
    color:rgb(174, 201, 120)  
}
```

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(174, 201, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 201, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 41.7324, 52.1280, 25.6315 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(174, 201, 120) }
```



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

```
.border{ border-color:rgb(174, 201, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 201, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 201, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 201, 120);  
box-shadow:4px 4px 4px 4px rgb(174, 201,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.7324, 52.1280, 25.6315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 201, 120) }
```

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

```
.background{ background-color: rgb(174,  
201, 120) }
```

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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