

# Converting Colors

XYZ(41.0563, 51.4513, 24.9143)

Have a look what the booklet for  
XYZ(41.0563, 51.4513, 24.9143)  
contains.

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# Color

**XYZ(41.1579, 51.5008,  
24.9109)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADC876
RGB	173, 200, 118
RGB Percent	68%, 78%, 46%
CMY	0.3216, 0.2157, 0.5372
CMYK	0.14, 0.00, 0.41, 0.22
HSL	80°, 43%, 62%
HSV	80°, 41%, 78%
XYZ	41.1579, 51.5008, 24.9109
YIQ	182.5790, 10.2300, -31.2260

# Conversions

## Conversions Part 2

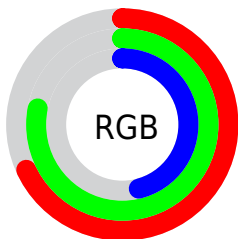
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	118, 200, 145
Decimal	11389046
CIE Lab	76.98, -22.51, 37.99
CIE LCh	77, 44.156, 120.643
Yxy	51.5008, 0.3501, 0.4380
Android (android.graphics.Color)	4289579126 (0xFFADC876)
YUV	182.5790, -31.8374, -8.4008
Hunter-Lab	71.7641, -23.2143, 29.6540

# Details

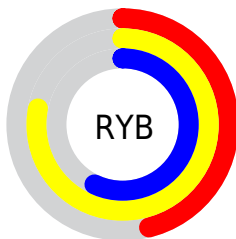
The XYZ color **41.1579, 51.5008, 24.9109** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.5828, 23.1481, 57.6080**, and the grayscale version is **44.9451, 47.2858, 51.4942**.

A 20% lighter version of the original color is **75.4238, 91.1183, 52.1404**, and **18.9300, 24.8971, 9.2767** is the 20% darker color. If you saturate the color by 10%, you get **38.6729, 50.3444, 19.2349**, and if you desaturate by 10%, it is **43.9693, 52.7996, 31.9197**.

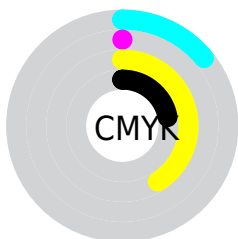
# Distribution



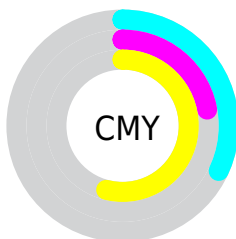
- Red (68%)
- Green (78%)
- Blue (46%)



- Red (46%)
- Yellow (78%)
- Blue (57%)



- Cyan (14%)
- Magenta (0%)
- Yellow (41%)
- Black (22%)




- Cyan (32%)
- Magenta (22%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1579, 51.5008, 24.9109 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 41.1579, 51.5008, 24.9109 by changing the saturation by 10% instead.





 41.1579, 51.5008,  
24.9109


 41.1579, 51.5008,  
24.9109


342.0314,  
392.5064, 290.8274

 28.6307, 36.6073,  
15.7923


 76.1967, 92.3946,  
52.4750

 18.9445, 24.9036,  
9.2245

 99.4391, 119.1637,  
71.7575

 11.7340, 16.0053,  
4.7891


 126.9838,  
150.6602, 95.2650

 6.6337, 9.5279,  
2.0675

159.1964,  
187.2684, 123.4162

 3.2784, 5.0871,  
0.5963

196.4420,  
229.3727, 156.6294

 1.3026, 2.2984,  
0.0000

239.0862,

 0.1852, 0.7729,

277.3576, 195.3234

0.0000

287.4942,  
331.6073, 239.9165

■ 0.0000, 0.0000,  
0.0000

■ 41.1579, 51.5008,  
24.9109

■ 41.1579, 51.5008,  
24.9109

■ 38.6729, 50.3444,  
19.2349

■ 43.9693, 52.7996,  
31.9197

■ 36.4933, 49.3166,  
14.8036

■ 47.1190, 54.2403,  
40.3352

■ 34.6016, 48.4120,  
11.5239


■ 50.6227, 55.8311,  
50.2298


■ 32.9760, 47.6219,  
9.2877

■ 54.4940, 57.5776,  
61.6700

■ 31.5913, 46.9358,  
7.9667

■ 58.7457, 59.4851,  
74.7183

 30.5093, 46.3907,  
7.3463

 63.3899, 61.5584,  
89.4338

 67.9504, 63.6071,  
103.3038

 69.9727, 64.6497,  
103.3984

 72.0744, 65.7331,  
103.4968

# Harmonies

## Analogous

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



48.7685, 51.5008, 21.3319



41.1579, 51.5008, 24.9109



36.1591, 51.5008, 36.2889

# Triad

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



41.1579, 51.5008, 24.9109



41.4389, 51.5008, 106.9329



66.9760, 51.5008, 55.5569

# Complementary

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



41.1579, 51.5008, 24.9109



28.5828, 23.1481, 57.6080

# 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.



64.4491, 51.5008, 81.9971



41.1579, 51.5008, 24.9109



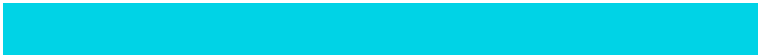
49.1319, 51.5008, 116.3417

# Square

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



41.1579, 51.5008, 24.9109



36.3078, 51.5008, 83.1637



57.6682, 51.5008, 106.1347



64.2311, 51.5008, 35.6188



# Rectangle

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



41.1579, 51.5008, 24.9109



34.6585, 51.5008, 48.8747



57.6682, 51.5008, 106.1347



66.7123, 51.5008, 63.9512

# Sweetspot

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



41.1592, 51.5031, 24.9120



86.8982, 96.3222, 84.8178



37.0595, 33.5254, 21.6580



18.4221, 20.5364, 17.6451



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

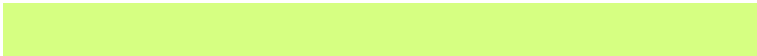


# Same Dimension

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



41.1592, 51.5031, 24.9120



67.4811, 87.4070, 34.4513



33.6041, 47.6083, 24.5584



11.1714, 12.2353, 11.3356



19.4957, 29.5457, 4.6754



0.9972, 1.4372, 0.2248



# Inverse Universe

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



28.5828, 23.1481, 57.6080



42.8769, 31.8787, 98.5011



36.9051, 27.4384, 57.9975



10.3802, 10.4543, 13.3883



8.1364, 3.4287, 34.9773



0.4621, 0.2020, 1.6598



# Previews

## White Background



This preview shows how the XYZ color 41.1579, 51.5008, 24.9109 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 41.1579, 51.5008, 24.9109 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 41.1579, 51.5008, 24.9109**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.1579, 51.5008, 24.9109.



This preview shows how white text looks on a background with the XYZ color 41.1579, 51.5008,



# 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

41.1579, 51.5008, 24.9109

### Protanopia

47.1828, 51.3072, 23.3361

### Deuteranopia

52.0316, 50.9469, 25.5037



## Tritanopia

49.2001, 51.4250, 65.0905

# Trichromacy



## Original Color

41.1579, 51.5008, 24.9109

## Protanomaly

44.8920, 51.4235, 23.7793

## Deuteranomaly

47.4468, 50.7568, 25.3855

## Tritanomaly

45.6570, 51.3040, 47.0314

# Monochromacy



## Original Color

41.1579, 51.5008, 24.9109

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

43.0460, 48.4821, 39.8901

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.1579, 51.5008, 24.9109 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(173, 200, 118)` looks like.

```
.text, #text, p{  
    color:rgb(173, 200, 118)  
}
```

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(173, 200, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 200, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 41.1579, 51.5008, 24.9109 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(173, 200, 118) }
```



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

```
.border{ border-color:rgb(173, 200, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 200, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 200, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 200, 118);  
box-shadow:4px 4px 4px 4px rgb(173, 200,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.1579, 51.5008, 24.9109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 200, 118) }
```

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

```
.background{ background-color: rgb(173,  
200, 118) }
```

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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