

# Converting Colors

XYZ(40.3144, 51.2717, 38.7082)

Have a look what the booklet for  
XYZ(40.3144, 51.2717, 38.7082)  
contains.

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# Color

**XYZ(40.1295, 51.0099,  
38.7412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AC99B
RGB	154, 201, 155
RGB Percent	60%, 79%, 61%
CMY	0.3961, 0.2117, 0.3921
CMYK	0.23, 0.00, 0.23, 0.21
HSL	121°, 30%, 70%
HSV	121°, 23%, 79%
XYZ	40.1295, 51.0099, 38.7412
YIQ	181.7030, -13.2460, -24.2700

# Conversions

## Conversions Part 2

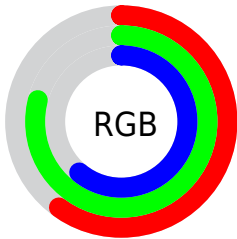
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 200, 201
Decimal	10144155
CIELab	76.69, -24.41, 18.08
CIElCh	77, 30.374, 143.468
Yxy	51.0099, 0.3090, 0.3927
Android (android.graphics.Color)	4288334235 (0xFF9AC99B)
YUV	181.7030, -13.1646, -24.2955
Hunter-Lab	71.4212, -24.6932, 17.8340

# Details

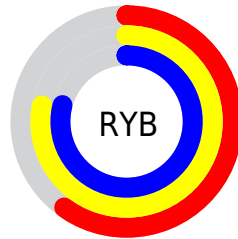
The XYZ color **40.1295, 51.0099, 38.7412** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.0701, 39.7000, 59.8806**, and the grayscale version is **44.3775, 46.6886, 50.8439**.

A 20% lighter version of the original color is **73.6874, 89.7285, 74.4084**, and **18.4119, 24.6917, 16.8923** is the 20% darker color. If you saturate the color by 10%, you get **35.0998, 48.5940, 30.5730**, and if you desaturate by 10%, it is **46.0718, 53.8680, 48.3593**.

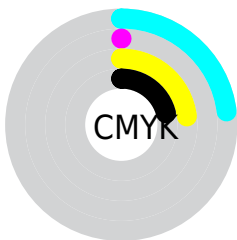
# Distribution



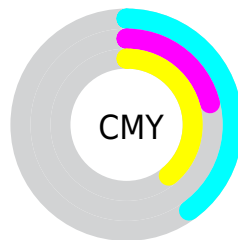
- Red (60%)
- Green (79%)
- Blue (61%)



- Red (60%)
- Yellow (78%)
- Blue (79%)



- Cyan (23%)
- Magenta (0%)
- Yellow (23%)
- Black (21%)




- Cyan (40%)
- Magenta (21%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1295, 51.0099, 38.7412 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 40.1295, 51.0099, 38.7412 by changing the saturation by 10% instead.





 40.1295, 51.0099,  
38.7412


 40.1295, 51.0099,  
38.7412


337.7942,  
390.6022, 356.1820

 27.8242, 36.2165,  
26.2522


 74.6438, 91.6694,  
74.4588

 18.3329, 24.6014,  
16.7849


 97.5834, 118.3043,  
98.5244

 11.2904, 15.7804,  
9.9209


124.7986,  
149.6551, 127.2860

 6.3313, 9.3689,  
5.2416

156.6546,  
186.1063, 161.1620

 3.0901, 4.9826,  
2.3285

193.5168,  
228.0422, 200.5711

 1.2016, 2.2370,  
0.7471

235.7505,

 0.1076, 0.7401,

275.8472, 245.9318

0.0000

283.7212,  
329.9058, 297.6626

■ 0.0000, 0.0000,  
0.0000

■ 40.1295, 51.0099,  
38.7412

■ 40.1295, 51.0099,  
38.7412

■ 35.0998, 48.5940,  
30.5730

■ 46.0718, 53.8680,  
48.3593

■ 30.9336, 46.5923,  
23.7813

■ 52.9643, 57.1820,  
59.4891

■ 27.5836, 44.9834,  
18.2914

■ 60.8477, 60.9730,  
72.1933

■ 24.9963, 43.7414,  
14.0199

■ 69.7588, 65.2588,  
86.5296

■ 23.1118, 42.8376,  
10.8742

■ 79.7329, 70.0563,  
102.5531

■ 21.8611, 42.2386,  
8.7482

■ 80.1777, 70.2553,  
103.9426

■ 21.1616, 41.9045,  
7.5155

■ 20.9111, 41.7847,  
7.0860

# Harmonies

## Analogous

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



44.2115, 51.0099, 31.2610



40.1295, 51.0099, 38.7412



38.3058, 51.0099, 52.0156

# Triad

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



40.1295, 51.0099, 38.7412



47.2362, 51.0099, 93.3216



59.3509, 51.0099, 43.8595

# Complementary

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



40.1295, 51.0099, 38.7412



46.0701, 39.7000, 59.8806

# 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.



60.3207, 51.0099, 59.2224



40.1295, 51.0099, 38.7412



53.0219, 51.0099, 89.9511

# Square

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



40.1295, 51.0099, 38.7412



42.1941, 51.0099, 85.0734



57.9229, 51.0099, 76.6071



55.3686, 51.0099, 33.7820



# Rectangle

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



40.1295, 51.0099, 38.7412



38.5047, 51.0099, 63.2485



57.9229, 51.0099, 76.6071



60.0524, 51.0099, 48.4868

# Sweetspot

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



40.1309, 51.0121, 38.7423



86.0988, 95.6958, 94.4606



50.5990, 56.4182, 38.7953



18.2720, 20.4075, 19.9655



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

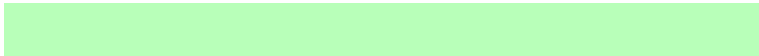


# Same Dimension

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



40.1309, 51.0121, 38.7423



64.2011, 85.1689, 59.0208



42.2790, 51.8713, 50.0541



10.5065, 11.8915, 11.3513



13.1518, 26.2731, 4.4778



0.6260, 1.2453, 0.2292



# Inverse Universe

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



46.0701, 39.7000, 59.8806



76.1037, 62.4975, 101.3821



43.5522, 38.6929, 46.6215



11.0730, 10.8126, 13.3676



21.4664, 10.3361, 33.9958

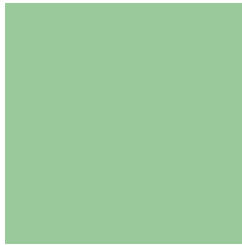


1.0196, 0.4907, 1.6264



# Previews

## White Background



This preview shows how the XYZ color 40.1295, 51.0099, 38.7412 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 40.1295, 51.0099, 38.7412 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

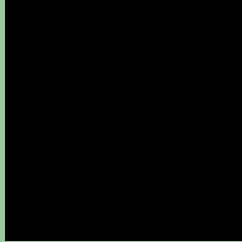
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 40.1295, 51.0099, 38.7412

## Background



This preview shows how black text looks on a background with the XYZ color 40.1295, 51.0099, 38.7412.



This preview shows how white text looks on a background with the XYZ color 40.1295, 51.0099,



# 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

40.1295, 51.0099, 38.7412

### Protanopia

47.4954, 50.5539, 35.6884

### Deuteranopia

51.3972, 50.3027, 39.8014



## Tritanopia

45.9047, 50.9736, 67.7410

# Trichromacy



## Original Color

40.1295, 51.0099, 38.7412

## Protanomaly

44.4230, 50.5646, 36.6968

## Deuteranomaly

46.4029, 49.9044, 39.5346

## Tritanomaly

43.6488, 51.0802, 55.7030

# Monochromacy



## Original Color

40.1295, 51.0099, 38.7412

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

42.6572, 48.1444, 46.0742

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.1295, 51.0099, 38.7412 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(154, 201, 155)` looks like.

```
.text, #text, p{  
    color:rgb(154, 201, 155)  
}
```

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(154, 201, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 201, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 40.1295, 51.0099, 38.7412 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(154, 201, 155) }
```



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

```
.border{ border-color:rgb(154, 201, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 201, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 201, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 201, 155);  
box-shadow:4px 4px 4px 4px rgb(154, 201,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.1295, 51.0099, 38.7412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 201, 155) }
```

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

```
.background{ background-color: rgb(154,  
201, 155) }
```

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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