

# Converting Colors

XYZ(41.4185, 38.5455, 54.5573)

Have a look what the booklet for  
XYZ(41.4185, 38.5455, 54.5573)  
contains.

<b>XYZ(41.5693, 38.7482, 54.5784)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(41.5693, 38.7482,  
54.5784)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B89FBF
RGB	184, 159, 191
RGB Percent	72%, 62%, 75%
CMY	0.2784, 0.3765, 0.2510
CMYK	0.04, 0.17, 0.00, 0.25
HSL	287°, 20%, 69%
HSV	287°, 17%, 75%
XYZ	41.5693, 38.7482, 54.5784
YIQ	170.1230, 4.6280, 15.2520

# Conversions

## Conversions Part 2

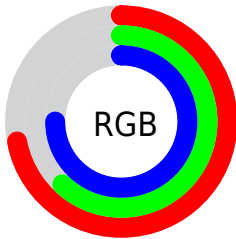
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">184, 159, 191</a>
Decimal	<a href="#">12099519</a>
CIELab	<a href="#">68.57, 15.01, -13.07</a>
CIELCh	<a href="#">69, 19.902, 318.967</a>
Yxy	<a href="#">38.7482, 0.3082, 0.2872</a>
Android (android.graphics.Color)	<a href="#">4290289599</a> ( <a href="#">0xFFB89FBF</a> )
YUV	<a href="#">170.1230, 10.2924, 12.1701</a>
Hunter-Lab	<a href="#">62.2481, 10.2684, -8.4112</a>

# Details

The XYZ color **41.5693, 38.7482, 54.5784** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.6160, 47.8727, 39.9024**, and the grayscale version is **38.2195, 40.2098, 43.7885**.

A 20% lighter version of the original color is **76.7702, 73.3338, 98.1043**, and **19.2052, 17.1757, 26.3478** is the 20% darker color. If you saturate the color by 10%, you get **37.5494, 32.1719, 53.5215**, and if you desaturate by 10%, it is **46.1286, 46.3581, 55.8075**.

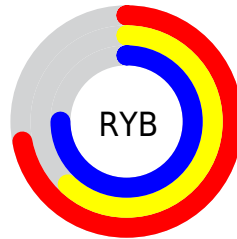
# Distribution



Red (72%)

Green (62%)

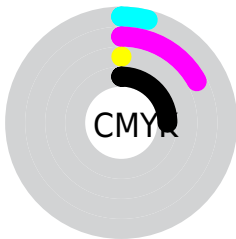
Blue (75%)



Red (72%)

Yellow (62%)

Blue (75%)

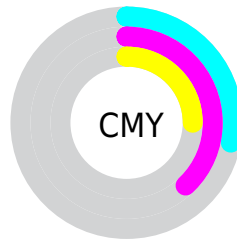


Cyan (4%)

Magenta (17%)

Yellow (0%)

Black (25%)



Cyan (28%)

Magenta (38%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5693, 38.7482, 54.5784 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 41.5693, 38.7482, 54.5784 by changing the saturation by 10% instead.





 41.5693, 38.7482,  
54.5784


 41.5693, 38.7482,  
54.5784


343.7165,  
340.8188, 421.5486

 28.9538, 26.5639,  
38.6680


 76.8166, 73.2535,  
98.3879

 19.1900, 17.2460,  
26.1957

 100.1792, 96.3433,  
127.1241

 11.9125, 10.4100,  
16.7430

127.8548,  
123.8370, 160.9725

 6.7559, 5.6716,  
9.8914

160.2089,  
156.1191, 200.3519

 3.3549, 2.6465,  
5.2224

197.6067,  
193.5739, 245.6806

 1.3441, 0.9501,  
2.3173

240.4137,

 0.2159, 0.0000,

236.5859, 297.3773

0.7409

288.9952,  
285.5394, 355.8604

0.0000, 0.0000,  
0.0000

41.5693, 38.7482,  
54.5784

41.5693, 38.7482,  
54.5784

37.5494, 32.1719,  
53.5215

46.1286, 46.3581,  
55.8075

34.0420, 26.5776,  
52.6265

51.2457, 55.0402,  
57.2137

31.0229, 21.9167,  
51.8860

56.9427, 64.8373,  
58.8044

28.4646, 18.1347,  
51.2909

63.2390, 75.7881,  
60.5863

26.3365, 15.1709,  
50.8310

70.1534, 87.9298,  
62.5654

■ 24.6046, 12.9572,  
50.4950

■ 71.4786, 88.8472,  
62.6727

■ 23.2287, 11.4142,  
50.2696

■ 72.6769, 89.4650,  
62.7288

■ 22.1554, 10.4351,  
50.1372

■ 73.9064, 90.0989,  
62.7863

■ 21.8385, 10.1718,  
50.1031

■ 75.1675, 90.7490,  
62.8453

# Harmonies

## Analogous

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



38.8246, 38.7482, 60.7279



41.5693, 38.7482, 54.5784



43.0727, 38.7482, 45.5835

# Triad

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



41.5693, 38.7482, 54.5784



37.9955, 38.7482, 27.4038



31.4137, 38.7482, 48.0581

# Complementary

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



41.5693, 38.7482, 54.5784



40.6160, 47.8727, 39.9024

# 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.



31.2198, 38.7482, 38.9696



41.5693, 38.7482, 54.5784



34.9030, 38.7482, 27.8704

# Square

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



41.5693, 38.7482, 54.5784



40.9328, 38.7482, 30.4541



32.4635, 38.7482, 31.8346



33.0091, 38.7482, 56.6098



# Rectangle

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



41.5693, 38.7482, 54.5784



43.1147, 38.7482, 39.5544



32.4635, 38.7482, 31.8346



31.1860, 38.7482, 44.9406

# Sweetspot

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



41.5705, 38.7499, 54.5792



84.0782, 85.4923, 100.3494



37.4248, 38.5766, 54.7643



18.3255, 18.5416, 21.9983



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



41.5705, 38.7499, 54.5792



71.7770, 64.9938, 97.0411



42.3770, 39.2710, 49.8568



9.7202, 9.5881, 12.0106



14.4225, 6.7211, 32.9301



0.6165, 0.2899, 1.2923



# Inverse Universe

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



40.7682, 38.6275, 41.3852



70.1197, 64.7599, 68.9323



39.9547, 47.4433, 43.8715



9.6133, 9.5696, 10.3528



14.4175, 7.3981, 2.2261

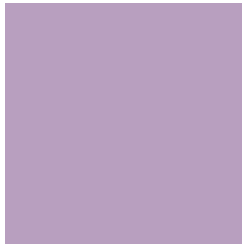


0.5898, 0.2998, 0.2190



# Previews

## White Background



This preview shows how the XYZ color 41.5693, 38.7482, 54.5784 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

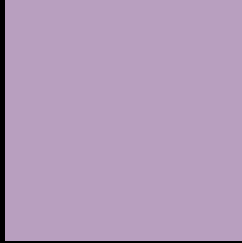
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.5693, 38.7482, 54.5784 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

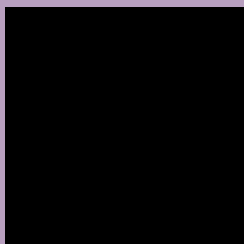
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.5693, 38.7482, 54.5784**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.5693, 38.7482, 54.5784.



This preview shows how white text looks on a background with the XYZ color 41.5693, 38.7482,



# 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

41.5693, 38.7482, 54.5784

### Protanopia

38.5003, 38.9393, 57.7114

### Deuteranopia

39.6250, 38.7963, 54.1152



## Tritanopia

39.9496, 38.8809, 45.9566

# Trichromacy



## Original Color

41.5693, 38.7482, 54.5784

## Protanomaly

39.4124, 38.6355, 56.4191

## Deuteranomaly

40.3461, 38.9055, 54.0982

## Tritanomaly

40.6138, 38.8932, 49.0826

# Monochromacy



## Original Color

41.5693, 38.7482, 54.5784

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

39.3513, 39.6007, 47.6892

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.5693, 38.7482, 54.5784 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(184, 159, 191)` looks like.

```
.text, #text, p{  
    color:rgb(184, 159, 191)  
}
```

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(184, 159, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 159, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 41.5693, 38.7482, 54.5784 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(184, 159, 191) }
```



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

```
.border{ border-color:rgb(184, 159, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 159, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 159, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 159, 191);  
box-shadow:4px 4px 4px 4px rgb(184, 159,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.5693, 38.7482, 54.5784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 159, 191) }
```

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

```
.background{ background-color: rgb(184,  
159, 191) }
```

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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