

Converting Colors

XYZ(41.8792, 38.1628, 75.2957)

Have a look what the booklet for
XYZ(41.8792, 38.1628, 75.2957)
contains.

XYZ(41.9083, 38.2164, 74.9797)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.9083, 38.2164,
74.9797)**

Conversions

Conversions Part 1

Format	Color
Hex	A99EDF
RGB	169, 158, 223
RGB Percent	66%, 62%, 87%
CMY	0.3372, 0.3804, 0.1255
CMYK	0.24, 0.29, 0.00, 0.13
HSL	250°, 50%, 75%
HSV	250°, 29%, 87%
XYZ	41.9083, 38.2164, 74.9797
YIQ	168.6990, -14.3090, 22.5470

Conversions

Conversions Part 2

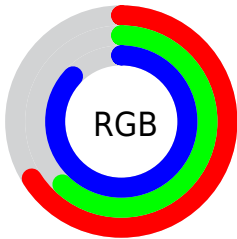
Format	Color
R _Y B	169, 158, 223
Decimal	11116255
CIE Lab	68.18, 17.72, -31.48
CIE LCh	68, 36.120, 299.373
Yxy	38.2164, 0.2702, 0.2464
Android (android.graphics.Color)	4289306335 (0xFFA99EDF)
YUV	168.6990, 26.7704, 0.2640
Hunter-Lab	61.8194, 12.8238, -28.6382

Details

The XYZ color **41.9083, 38.2164, 74.9797** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **59.7116, 69.2418, 42.5671**, and the grayscale version is **37.4416, 39.3915, 42.8973**.

A 20% lighter version of the original color is **72.8956, 70.8161, 104.4346**, and **19.5280, 17.0555, 39.3086** is the 20% darker color. If you saturate the color by 10%, you get **34.7473, 29.3819, 73.6525**, and if you desaturate by 10%, it is **50.3252, 48.7246, 76.5650**.

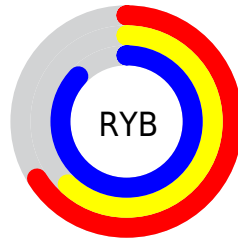
Distribution



Red (66%)

Green (62%)

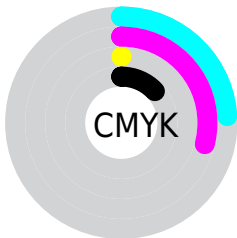
Blue (87%)



Red (66%)

Yellow (62%)

Blue (87%)

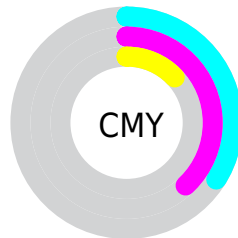


Cyan (24%)

Magenta (29%)

Yellow (0%)

Black (13%)



Cyan (34%)

Magenta (38%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9083, 38.2164, 74.9797 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 41.9083, 38.2164, 74.9797 by changing the saturation by 10% instead.

■ 41.9083, 38.2164,
74.9797

■ 41.9083, 38.2164,
74.9797

345.1008,
338.5474, 497.1013

■ 29.2203, 26.1507,
55.0946

■ 77.3269, 72.4397,
128.0305

■ 19.3926, 16.9364,
39.0784

■ 100.7881, 95.3661,
162.0332

■ 12.0600, 10.1892,
26.5124

128.5712,
122.6815, 201.5790

■ 6.8571, 5.5246,
16.9782

161.0414,
154.7703, 247.0862

■ 3.4184, 2.5582,
10.0571

198.5641,
192.0168, 298.9736

■ 1.3787, 0.9057,
5.3308

241.5046,

■ 0.2410, 0.0000,

234.8056, 357.6595

2.3805

290.2284,
283.5210, 423.5626

■ 0.0000, 0.0000,
0.7758

■ 0.0000, 0.0000,
0.0000

■ 41.9083, 38.2164,
74.9797

■ 41.9083, 38.2164,
74.9797

■ 34.7473, 29.3819,
73.6525

■ 50.3252, 48.7246,
76.5650

■ 28.7775, 22.1297,
72.5674

■ 60.0508, 60.9823,
78.4184

■ 23.9340, 16.3664,
71.7102

■ 71.1396, 75.0665,
80.5525

■ 20.1441, 11.9872,
71.0647

■ 83.6419, 91.0478,
82.9782

■ 17.3262, 8.8730,
70.6121

■ 90.3194, 98.1078,
83.9890

■ 15.3861, 6.8843,
70.3305

■ 14.1889, 5.8066,
70.1856

■ 14.1091, 5.7349,
70.1760

Harmonies

Analogous

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



36.2050, 38.2164, 81.0477



41.9083, 38.2164, 74.9797



46.4804, 38.2164, 59.5291

Triad

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



41.9083, 38.2164, 74.9797



42.1347, 38.2164, 20.1943



26.5205, 38.2164, 41.2723

Complementary

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



41.9083, 38.2164, 74.9797



59.7116, 69.2418, 42.5671

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.



27.7659, 38.2164, 27.7063



41.9083, 38.2164, 74.9797



36.4423, 38.2164, 17.6356

Square

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



41.9083, 38.2164, 74.9797



46.6203, 38.2164, 28.1574



31.2584, 38.2164, 19.9852



27.6668, 38.2164, 58.7851

Rectangle

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



41.9083, 38.2164, 74.9797



48.0622, 38.2164, 47.6070



31.2584, 38.2164, 19.9852



26.6711, 38.2164, 36.1411

Sweetspot

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



41.9096, 38.2179, 74.9806



81.4908, 82.7829, 106.2914



51.0061, 59.7682, 78.6608



17.0040, 17.1645, 22.6668



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.



41.9096, 38.2179, 74.9806



50.6625, 44.2077, 100.4705



49.7244, 42.2466, 75.3463



13.1671, 13.3542, 17.2713



8.3604, 3.4053, 41.2650



0.6455, 0.2700, 2.8633

Inverse Universe

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



54.5430, 44.8965, 68.0795



70.5436, 54.7267, 89.2027



51.3052, 64.9082, 42.1737



14.1902, 13.8937, 16.7719



23.0951, 11.3050, 28.2302



1.6275, 0.7943, 2.0975

Previews

White Background



This preview shows how the XYZ color 41.9083, 38.2164, 74.9797 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 41.9083, 38.2164, 74.9797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

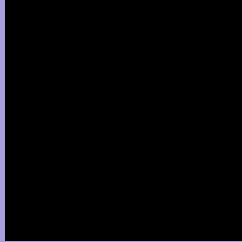
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9083, 38.2164, 74.9797

Background



This preview shows how black text looks on a background with the XYZ color 41.9083, 38.2164, 74.9797.



This preview shows how white text looks on a background with the XYZ color 41.9083, 38.2164,

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

41.9083, 38.2164, 74.9797

Protanopia

39.3117, 38.3554, 78.7302

Deuteranopia

39.2228, 38.4042, 74.4527



Tritanopia

36.5724, 38.1448, 48.6151

Trichromacy



Original Color

41.9083, 38.2164, 74.9797

Protanomaly

40.1654, 38.3002, 77.2272

Deuteranomaly

40.2057, 38.3837, 74.3970

Tritanomaly

38.3708, 38.0724, 57.5509

Monochromacy



Original Color

41.9083, 38.2164, 74.9797

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

39.0026, 39.0194, 53.6200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9083, 38.2164, 74.9797 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(169, 158, 223)` looks like.

```
.text, #text, p{  
    color:rgb(169, 158, 223)  
}
```

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(169, 158, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 158, 223) }
```

Border

The CSS property to change the border of an element to XYZ 41.9083, 38.2164, 74.9797 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(169, 158, 223) }
```


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

```
.border{ border-color:rgb(169, 158, 223) }
```

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

Here you see how a box with a 4 pixel rgb(169, 158, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 158, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 158, 223);  
box-shadow:4px 4px 4px 4px rgb(169, 158,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9083, 38.2164, 74.9797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 158, 223) }
```

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

```
.background{ background-color: rgb(169,  
158, 223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor