

Converting Colors

XYZ(38.6985, 41.7099, 64.4037)

Have a look what the booklet for
XYZ(38.6985, 41.7099, 64.4037)
contains.

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Color

**XYZ(38.6985, 41.7099,
64.4037)**

Conversions

Conversions Part 1

Format	Color
Hex	93B0CE
RGB	147, 176, 206
RGB Percent	58%, 69%, 81%
CMY	0.4235, 0.3098, 0.1922
CMYK	0.29, 0.15, 0.00, 0.19
HSL	211°, 38%, 69%
HSV	211°, 29%, 81%
XYZ	38.6985, 41.7099, 64.4037
YIQ	170.7490, -26.9140, 3.1820

Conversions

Conversions Part 2

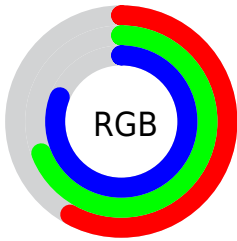
Format	Color
RYB	147, 166, 206
Decimal	9679054
CIELab	70.67, -2.99, -18.45
CIELCh	71, 18.695, 260.785
Yxy	41.7099, 0.2672, 0.2880
Android (android.graphics.Color)	4287869134 (0xFF93B0CE)
YUV	170.7490, 17.3787, -20.8279
Hunter-Lab	64.5832, -6.0627, -13.9170

Details

The XYZ color **38.6985, 41.7099, 64.4037** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **46.4428, 46.6731, 34.1659**, and the grayscale version is **38.5091, 40.5146, 44.1204**.

A 20% lighter version of the original color is **71.2637, 77.4898, 105.8088**, and **17.5945, 19.1152, 32.4680** is the 20% darker color. If you saturate the color by 10%, you get **33.3552, 36.0242, 63.5886**, and if you desaturate by 10%, it is **44.8644, 48.0569, 65.3045**.

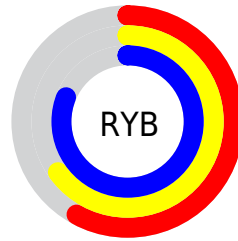
Distribution



Red (58%)

Green (69%)

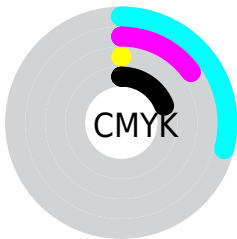
Blue (81%)



Red (58%)

Yellow (65%)

Blue (81%)

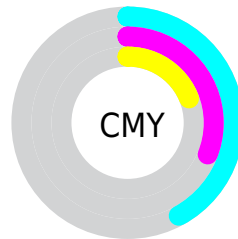


Cyan (29%)

Magenta (15%)

Yellow (0%)

Black (19%)



Cyan (42%)

Magenta (31%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6985, 41.7099, 64.4037 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 38.6985, 41.7099, 64.4037 by changing the saturation by 10% instead.

■ 38.6985, 41.7099,
64.4037

■ 38.6985, 41.7099,
64.4037

331.8362,
353.2789, 458.8934

■ 26.7049, 28.8742,
46.5295

■ 72.4745, 77.7604,
112.7972

■ 17.4872, 18.9857,
32.3121

■ 94.9877, 101.7440,
144.1535

■ 10.6799, 11.6599,
21.3332

121.7381,
130.2123, 180.8409

■ 5.9177, 6.5126,
13.1742

153.0911,
163.5497, 223.2780

■ 2.8353, 3.1592,
7.4165

189.4121,
202.1408, 271.8832

■ 1.0673, 1.2154,
3.6415

231.0663,

■ 0.0000, 0.0742,

246.3697, 327.0752

1.4308

278.4193,
296.6210, 389.2724

■ 0.0000, 0.0000,
0.1656

■ 0.0000, 0.0000,
0.0000

■ 38.6985, 41.7099,
64.4037

■ 38.6985, 41.7099,
64.4037

■ 33.3552, 36.0242,
63.5886

■ 44.8644, 48.0569,
65.3045

■ 28.7916, 30.9694,
62.8534

■ 51.8850, 55.0840,
66.2909

■ 24.9669, 26.5200,
62.1962

■ 59.7956, 62.8151,
67.3662

■ 21.8343, 22.6463,
61.6136

■ 68.6280, 71.2716,
68.5329

■ 19.3412, 19.3152,
61.1020

■ 78.4126, 80.4737,
69.7934

■ 17.4262, 16.4889,
60.6574

■ 83.2028, 87.3604,
70.8702

■ 15.9947, 14.1122,
60.2741

■ 86.3561, 93.6670,
71.9213

■ 15.8197, 13.8142,
60.2258

■ 88.1407, 97.2363,
72.5162

Harmonies

Analogous

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



35.9989, 41.7099, 59.9428



38.6985, 41.7099, 64.4037



41.7938, 41.7099, 63.2877

Triad

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



38.6985, 41.7099, 64.4037



45.4728, 41.7099, 39.6309



35.2092, 41.7099, 35.4683

Complementary

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



38.6985, 41.7099, 64.4037



46.4428, 46.6731, 34.1659

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.



37.5693, 41.7099, 31.2703



38.6985, 41.7099, 64.4037



43.5272, 41.7099, 33.4474

Square

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



38.6985, 41.7099, 64.4037



45.8139, 41.7099, 48.1997



40.6048, 41.7099, 30.5819



34.0545, 41.7099, 42.7396

Rectangle

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



38.6985, 41.7099, 64.4037



43.6603, 41.7099, 59.5824



40.6048, 41.7099, 30.5819



35.8819, 41.7099, 33.6928

Sweetspot

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



38.6998, 41.7116, 64.4047



83.4947, 88.6837, 107.3248



41.9909, 53.5009, 49.4487



17.4957, 18.6095, 22.9198



0.0000, 0.0000, 0.0000



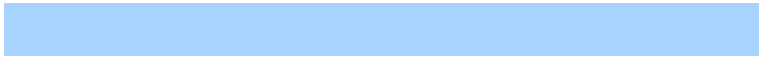
20.3446, 21.4041, 23.3091

Same Dimension

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



38.6998, 41.7116, 64.4047



57.5362, 62.1253, 103.5666



33.6079, 31.5278, 62.7074



11.0495, 11.7394, 14.2539



9.8378, 8.6996, 37.1170



0.5834, 0.6006, 1.9401

Inverse Universe

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



43.7248, 37.1250, 45.9373



67.0456, 54.0752, 68.4776



52.7921, 59.3718, 36.2823



11.4383, 11.3041, 12.8428



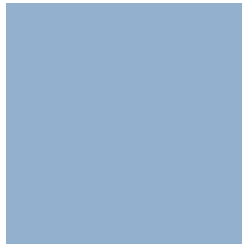
17.1766, 8.6812, 8.6485



0.9244, 0.4632, 0.6479

Previews

White Background



This preview shows how the XYZ color 38.6985, 41.7099, 64.4037 looks on a white background.

Color Contrast Check

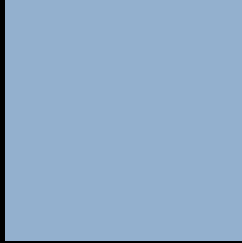
Large Text (above 18pt) WCAG AA × Fail

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 38.6985, 41.7099, 64.4037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

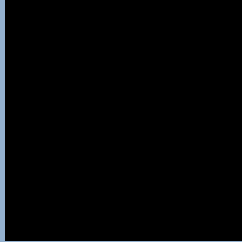
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

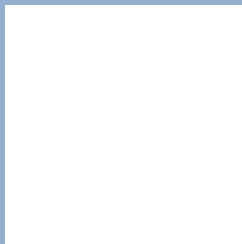
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6985, 41.7099, 64.4037

Background



This preview shows how black text looks on a background with the XYZ color 38.6985, 41.7099, 64.4037.



This preview shows how white text looks on a background with the XYZ color 38.6985, 41.7099,

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

38.6985, 41.7099, 64.4037

Protanopia

41.0683, 41.5446, 62.3543

Deuteranopia

42.5864, 41.7007, 65.4790



Tritanopia

37.0476, 41.6203, 56.5330

Trichromacy



Original Color

38.6985, 41.7099, 64.4037

Protanomaly

40.1407, 41.6177, 63.0441

Deuteranomaly

41.1193, 41.7966, 64.9318

Tritanomaly

37.5922, 41.5412, 59.4630

Monochromacy



Original Color

38.6985, 41.7099, 64.4037

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.4956, 41.0292, 51.2379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6985, 41.7099, 64.4037 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(147, 176, 206)` looks like.

```
.text, #text, p{  
    color:rgb(147, 176, 206)  
}
```

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(147, 176, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 176, 206) }
```

Border

The CSS property to change the border of an element to XYZ 38.6985, 41.7099, 64.4037 is called "border". The border property can be set on classes, ids or directly on the HTML element.

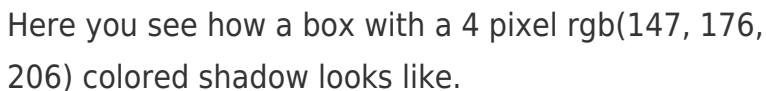
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 176, 206) }
```


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

```
.border{ border-color:rgb(147, 176, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 176, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 176, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 176, 206);  
box-shadow:4px 4px 4px 4px rgb(147, 176,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6985, 41.7099, 64.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 176, 206) }
```

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

```
.background{ background-color: rgb(147,  
176, 206) }
```

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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