

Converting Colors

XYZ(39.6850, 42.4824, 65.7828)

Have a look what the booklet for
XYZ(39.6850, 42.4824, 65.7828)
contains.

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Color

**XYZ(39.6850, 42.4824,
65.7828)**

Conversions

Conversions Part 1

Format	Color
Hex	96B1D0
RGB	150, 177, 208
RGB Percent	59%, 69%, 82%
CMY	0.4118, 0.3059, 0.1843
CMYK	0.28, 0.15, 0.00, 0.18
HSL	212°, 38%, 70%
HSV	212°, 28%, 82%
XYZ	39.6850, 42.4824, 65.7828
YIQ	172.4610, -26.0430, 3.9170

Conversions

Conversions Part 2

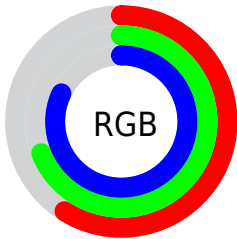
Format	Color
R_{YB}	150, 168, 208
Decimal	9875920
CIE _{Lab}	71.20, -2.16, -18.73
CIE _{LCh}	71, 18.851, 263.410
Yxy	42.4824, 0.2682, 0.2871
Android (android.graphics.Color)	4288066000 (0xFF96B1D0)
YUV	172.4610, 17.5207, -19.6983
Hunter-Lab	65.1785, -5.3798, -14.2147

Details

The XYZ color **39.6850, 42.4824, 65.7828** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.0419, 48.6600, 35.7156**, and the grayscale version is **39.3707, 41.4211, 45.1075**.

A 20% lighter version of the original color is **72.3658, 78.4770, 105.9412**, and **18.2034, 19.5970, 33.3950** is the 20% darker color. If you saturate the color by 10%, you get **34.0850, 36.4684, 64.9179**, and if you desaturate by 10%, it is **46.1459, 49.2078, 66.7411**.

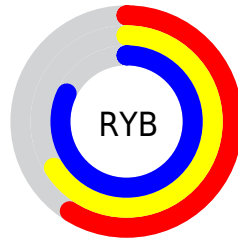
Distribution



Red (59%)

Green (69%)

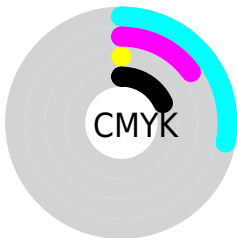
Blue (82%)



Red (59%)

Yellow (66%)

Blue (82%)

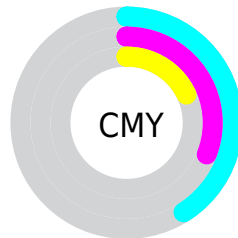


Cyan (28%)

Magenta (15%)

Yellow (0%)

Black (18%)



Cyan (41%)

Magenta (31%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6850, 42.4824, 65.7828 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 39.6850, 42.4824, 65.7828 by changing the saturation by 10% instead.

■ 39.6850, 42.4824,
65.7828

■ 39.6850, 42.4824,
65.7828

335.9513,
356.4788, 463.9827

■ 27.4761, 29.4792,
47.6407

■ 73.9710, 78.9292,
114.7986

■ 18.0696, 19.4436,
33.1845

■ 96.7789, 103.1416,
146.5093

■ 11.0999, 11.9913,
21.9955

123.8504,
131.8592, 183.5801

■ 6.2019, 6.7377,
13.6553

155.5510,
165.4664, 226.4294

■ 3.0100, 3.2986,
7.7453

192.2461,
204.3475, 275.4758

■ 1.1591, 1.2896,
3.8470

234.3009,

■ 0.0737, 0.1331,

248.8870, 331.1378

1.5418

282.0809,
299.4693, 393.8339

■ 0.0000, 0.0000,
0.2488

■ 0.0000, 0.0000,
0.0000

■ 39.6850, 42.4824,
65.7828

■ 39.6850, 42.4824,
65.7828

■ 34.0850, 36.4684,
64.9179

■ 46.1459, 49.2078,
66.7411

■ 29.3018, 31.1338,
64.1403

■ 53.5011, 56.6648,
67.7928

■ 25.2931, 26.4511,
63.4477

■ 61.7871, 64.8792,
68.9416

■ 22.0107, 22.3889,
62.8366

■ 71.0368, 73.8737,
70.1902

■ 19.4006, 18.9120,
62.3031

■ 81.2818, 83.6700,
71.5411

■ 17.3999, 15.9808,
61.8427

■ 84.8870, 90.3375,
72.6381

■ 15.9199, 13.5416,
61.4499

■ 88.3281, 97.2198,
73.7851

■ 15.6446, 13.0728,
61.3740

■ 88.3853, 97.3341,
73.8042

Harmonies

Analogous

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



36.8640, 42.4824, 61.6801



39.6850, 42.4824, 65.7828



42.8404, 42.4824, 64.1310

Triad

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



39.6850, 42.4824, 65.7828



46.2141, 42.4824, 39.6819



35.6940, 42.4824, 36.6404

Complementary

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



39.6850, 42.4824, 65.7828



48.0419, 48.6600, 35.7156

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.



38.0123, 42.4824, 32.0557



39.6850, 42.4824, 65.7828



44.1090, 42.4824, 33.6450

Square

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



39.6850, 42.4824, 65.7828



46.7192, 42.4824, 48.2819



41.0795, 42.4824, 31.0352



34.6387, 42.4824, 44.2878

Rectangle

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



39.6850, 42.4824, 65.7828



44.6989, 42.4824, 60.0823



41.0795, 42.4824, 31.0352



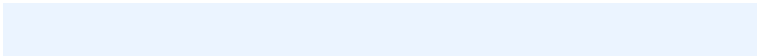
36.3454, 42.4824, 34.7326

Sweetspot

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



39.6863, 42.4841, 65.7838



84.5589, 89.5740, 107.4405



43.4682, 54.9301, 51.9928



17.7001, 18.7718, 22.9404



0.0000, 0.0000, 0.0000



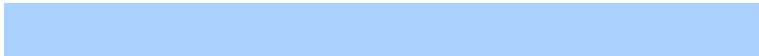
20.3446, 21.4041, 23.3091

Same Dimension

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



39.6863, 42.4841, 65.7838



57.8648, 61.9669, 103.5187



35.2290, 33.0369, 64.1952



11.6108, 12.3119, 15.0081



9.8453, 8.3371, 38.2828



0.6295, 0.6243, 2.1669

Inverse Universe

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



44.8557, 38.3981, 46.6442



67.4106, 54.9836, 68.0494



53.5338, 60.4459, 37.7010



12.0345, 11.8985, 13.4573



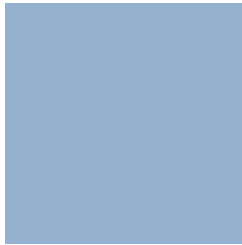
17.6002, 8.9129, 8.0666



1.0240, 0.5143, 0.6611

Previews

White Background



This preview shows how the XYZ color 39.6850, 42.4824, 65.7828 looks on a white background.

Color Contrast Check

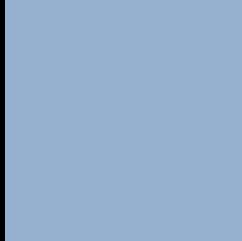
Large Text (above 18pt) WCAG AA × Fail

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 39.6850, 42.4824, 65.7828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

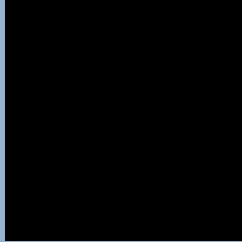
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

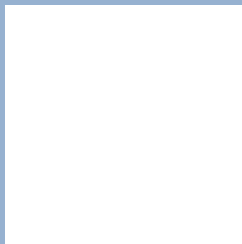
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.6850, 42.4824, 65.7828

Background



This preview shows how black text looks on a background with the XYZ color 39.6850, 42.4824, 65.7828.



This preview shows how white text looks on a background with the XYZ color 39.6850, 42.4824,

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

39.6850, 42.4824, 65.7828

Protanopia

41.9204, 42.2377, 63.7008

Deuteranopia

43.1169, 42.2371, 66.2017



Tritanopia

37.8903, 42.3383, 57.2140

Trichromacy



Original Color

39.6850, 42.4824, 65.7828

Protanomaly

40.9746, 42.3054, 64.3987

Deuteranomaly

41.9692, 42.4899, 66.3110

Tritanomaly

38.4419, 42.2602, 60.1638

Monochromacy



Original Color

39.6850, 42.4824, 65.7828

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.2029, 41.6674, 51.8753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6850, 42.4824, 65.7828 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(150, 177, 208)` looks like.

```
.text, #text, p{  
    color:rgb(150, 177, 208)  
}
```

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(150, 177, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 177, 208) }
```

Border

The CSS property to change the border of an element to XYZ 39.6850, 42.4824, 65.7828 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(150, 177, 208) }
```


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

```
.border{ border-color:rgb(150, 177, 208) }
```

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

Here you see how a box with a 4 pixel rgb(150, 177, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 177, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 177, 208);  
box-shadow:4px 4px 4px 4px rgb(150, 177,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6850, 42.4824, 65.7828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 177, 208) }
```

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

```
.background{ background-color: rgb(150,  
177, 208) }
```

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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