

Converting Colors

XYZ(39.8785, 42.6244, 63.8831)

Have a look what the booklet for
XYZ(39.8785, 42.6244, 63.8831)
contains.

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Color

**XYZ(39.8785, 42.6244,
63.8831)**

Conversions

Conversions Part 1

Format	Color
Hex	99B1CD
RGB	153, 177, 205
RGB Percent	60%, 69%, 80%
CMY	0.4000, 0.3059, 0.1961
CMYK	0.25, 0.14, 0.00, 0.20
HSL	212°, 34%, 70%
HSV	212°, 25%, 80%
XYZ	39.8785, 42.6244, 63.8831
YIQ	173.0160, -23.2920, 3.6200

Conversions

Conversions Part 2

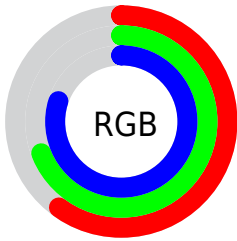
Format	Color
R _{YB}	153, 169, 205
Decimal	10072525
CIE Lab	71.30, -1.98, -16.92
CIE LCh	71, 17.031, 263.339
Yxy	42.6244, 0.2724, 0.2912
Android (android.graphics.Color)	4288262605 (0xFF99B1CD)
YUV	173.0160, 15.7681, -17.5540
Hunter-Lab	65.2874, -5.2224, -12.3136

Details

The XYZ color **39.8785, 42.6244, 63.8831** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.4510, 48.3271, 36.9653**, and the grayscale version is **39.6604, 41.7258, 45.4394**.

A 20% lighter version of the original color is **73.2013, 78.9077, 105.9803**, and **18.2864, 19.6683, 32.1107** is the 20% darker color. If you saturate the color by 10%, you get **34.2441, 36.6140, 63.0206**, and if you desaturate by 10%, it is **46.3567, 49.3337, 64.8374**.

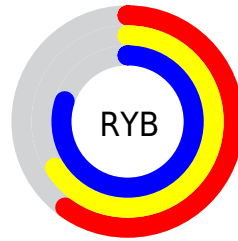
Distribution



Red (60%)

Green (69%)

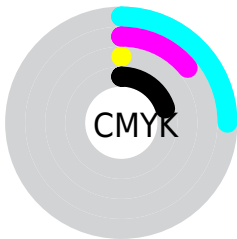
Blue (80%)



Red (60%)

Yellow (66%)

Blue (80%)

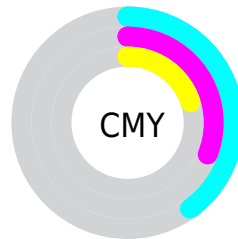


Cyan (25%)

Magenta (14%)

Yellow (0%)

Black (20%)



Cyan (40%)

Magenta (31%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8785, 42.6244, 63.8831 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 39.8785, 42.6244, 63.8831 by changing the saturation by 10% instead.

■ 39.8785, 42.6244,
63.8831

■ 39.8785, 42.6244,
63.8831

336.7544,
357.0648, 456.9632

■ 27.6276, 29.5905,
46.1104

■ 74.2640, 79.1438,
112.0404

■ 18.1842, 19.5280,
31.9837

■ 97.1293, 103.3980,
143.2621

■ 11.1828, 12.0524,
21.0843

124.2634,
132.1612, 179.8039

■ 6.2581, 6.7794,
12.9938

156.0318,
165.8177, 222.0844

■ 3.0448, 3.3245,
7.2936

192.7997,
204.7520, 270.5220

■ 1.1775, 1.3034,
3.5652

234.9326,

■ 0.0885, 0.1438,

249.3483, 325.5353

1.3900

282.7957,
299.9911, 387.5429

■ 0.0000, 0.0000,
0.1339

■ 0.0000, 0.0000,
0.0000

■ 39.8785, 42.6244,
63.8831

■ 39.8785, 42.6244,
63.8831

■ 34.2441, 36.6140,
63.0206

■ 46.3567, 49.3337,
64.8374

■ 29.4113, 31.2714,
62.2441

■ 53.7102, 56.7609,
65.8834

■ 25.3403, 26.5708,
61.5514

■ 61.9737, 64.9309,
67.0248

■ 21.9856, 22.4821,
60.9390

■ 71.1790, 73.8654,
68.2642

■ 19.2966, 18.9723,
60.4033

■ 81.1705, 83.4898,
69.5953

■ 17.2151, 16.0040,
59.9401

■ 84.3793, 89.9073,
70.6649

■ 15.6706, 13.5334,
59.5446

■ 87.7867, 96.7221,
71.8007

■ 15.0779, 12.5244,
59.3811

■ 88.0196, 97.1878,
71.8783

Harmonies

Analogous

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



37.3167, 42.6244, 60.2303



39.8785, 42.6244, 63.8831



42.7318, 42.6244, 62.4307

Triad

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



39.8785, 42.6244, 63.8831



45.7768, 42.6244, 40.4449



36.2587, 42.6244, 37.6254

Complementary

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



39.8785, 42.6244, 63.8831



47.4510, 48.3271, 36.9653

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.



38.3727, 42.6244, 33.3964



39.8785, 42.6244, 63.8831



43.8872, 42.6244, 34.8853

Square

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



39.8785, 42.6244, 63.8831



46.2263, 42.6244, 48.2622



41.1546, 42.6244, 32.4556



35.2914, 42.6244, 44.6073

Rectangle

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



39.8785, 42.6244, 63.8831



44.4071, 42.6244, 58.8376



41.1546, 42.6244, 32.4556



36.8539, 42.6244, 35.8697

Sweetspot

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



39.8798, 42.6261, 63.8841



84.5345, 89.5252, 107.4324



43.2823, 53.7611, 51.6694



17.6939, 18.7595, 22.9383



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.



39.8798, 42.6261, 63.8841



60.5236, 64.7413, 103.9141



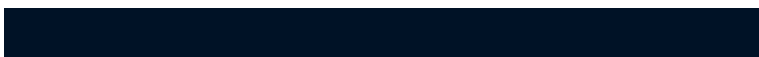
35.8782, 34.1337, 62.4558



11.0213, 11.6831, 14.2445



9.4794, 7.9828, 36.9975



0.5647, 0.5631, 1.9339

Inverse Universe

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



44.5050, 38.9371, 46.7668



69.3734, 58.1455, 71.0581



52.2832, 58.6973, 38.7123



11.4241, 11.2984, 12.7680



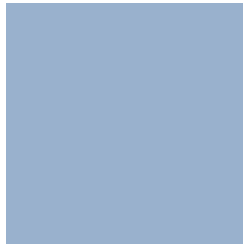
16.9957, 8.6089, 7.6958



0.9150, 0.4594, 0.5980

Previews

White Background



This preview shows how the XYZ color 39.8785, 42.6244, 63.8831 looks on a white background.

Color Contrast Check

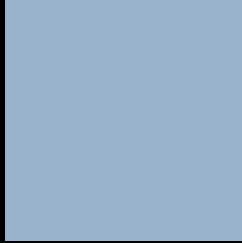
Large Text (above 18pt) WCAG AA × Fail

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 39.8785, 42.6244, 63.8831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

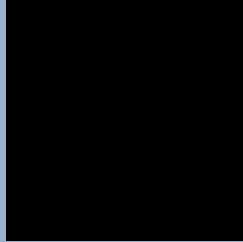
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

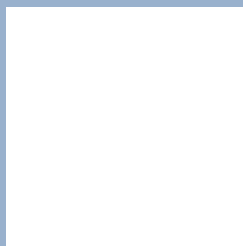
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.8785, 42.6244, 63.8831

Background



This preview shows how black text looks on a background with the XYZ color 39.8785, 42.6244, 63.8831.



This preview shows how white text looks on a background with the XYZ color 39.8785, 42.6244,

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

39.8785, 42.6244, 63.8831

Protanopia

41.9664, 42.5864, 61.8852

Deuteranopia

43.4198, 42.4358, 64.2950



Tritanopia

38.5082, 42.6698, 56.6586

Trichromacy



Original Color

39.8785, 42.6244, 63.8831

Protanomaly

41.0198, 42.3704, 62.5162

Deuteranomaly

42.2326, 42.6682, 64.4024

Tritanomaly

38.9473, 42.5474, 58.9831

Monochromacy



Original Color

39.8785, 42.6244, 63.8831

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.6189, 41.8819, 51.8948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8785, 42.6244, 63.8831 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(153, 177, 205)` looks like.

```
.text, #text, p{  
    color:rgb(153, 177, 205)  
}
```

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(153, 177, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 177, 205) }
```

Border

The CSS property to change the border of an element to XYZ 39.8785, 42.6244, 63.8831 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(153, 177, 205) }
```


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

```
.border{ border-color:rgb(153, 177, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 177, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 177, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 177, 205);  
box-shadow:4px 4px 4px 4px rgb(153, 177,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8785, 42.6244, 63.8831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 177, 205) }
```

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

```
.background{ background-color: rgb(153,  
177, 205) }
```

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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