

Converting Colors

XYZ(39.9854, 43.1211, 64.0022)

Have a look what the booklet for
XYZ(39.9854, 43.1211, 64.0022)
contains.

XYZ(40.0884, 43.3234, 64.0070)	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(40.0884, 43.3234,
64.0070)**

Conversions

Conversions Part 1

Format	Color
Hex	98B3CD
RGB	152, 179, 205
RGB Percent	60%, 70%, 80%
CMY	0.4039, 0.2980, 0.1961
CMYK	0.26, 0.13, 0.00, 0.20
HSL	209°, 35%, 70%
HSV	209°, 26%, 80%
XYZ	40.0884, 43.3234, 64.0070
YIQ	173.8910, -24.4380, 2.3620

Conversions

Conversions Part 2

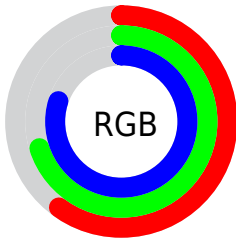
Format	Color
R _{YB}	152, 170, 205
Decimal	10007501
CIE _{Lab}	71.77, -3.37, -16.21
CIE _{LCh}	72, 16.552, 258.268
Yxy	43.3234, 0.2719, 0.2939
Android (android.graphics.Color)	4288197581 (0xFF98B3CD)
YUV	173.8910, 15.3367, -19.1984
Hunter-Lab	65.8205, -6.4693, -11.5821

Details

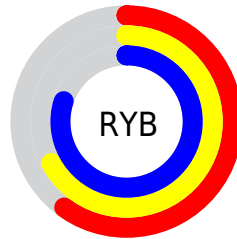
The XYZ color **40.0884, 43.3234, 64.0070** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **46.7652, 47.0870, 36.3306**, and the grayscale version is **40.1100, 42.1988, 45.9545**.

A 20% lighter version of the original color is **73.4905, 79.9021, 106.1570**, and **18.3023, 19.8654, 32.1479** is the 20% darker color. If you saturate the color by 10%, you get **34.6359, 37.6299, 63.1961**, and if you desaturate by 10%, it is **46.3537, 49.6563, 64.8999**.

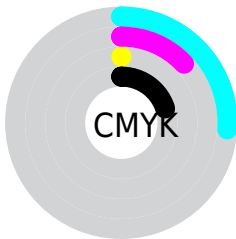
Distribution



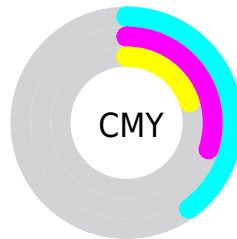
- Red (60%)
- Green (70%)
- Blue (80%)



- Red (60%)
- Yellow (67%)
- Blue (80%)



- Cyan (26%)
- Magenta (13%)
- Yellow (0%)
- Black (20%)



- Cyan (40%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0884, 43.3234, 64.0070 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 40.0884, 43.3234, 64.0070 by changing the saturation by 10% instead.

■ 40.0884, 43.3234,
64.0070

■ 40.0884, 43.3234,
64.0070

337.6241,
359.9401, 457.4231

■ 27.7920, 30.1389,
46.2101

■ 74.5816, 80.1987,
112.2206

■ 18.3086, 19.9441,
32.0618

■ 97.5091, 104.6582,
143.4744

■ 11.2728, 12.3544,
21.1435

124.7110,
133.6450, 180.0509

■ 6.3193, 6.9855,
13.0367

156.5527,
167.5433, 222.3686

■ 3.0827, 3.4530,
7.3228

193.3994,
206.7376, 270.8462

■ 1.1976, 1.3726,
3.5833

235.6167,

■ 0.1045, 0.1964,

251.6122, 325.9021

1.3996

283.5698,
302.5516, 387.9549

■ 0.0000, 0.0000,
0.1414

■ 0.0000, 0.0000,
0.0000

■ 40.0884, 43.3234,
64.0070

■ 40.0884, 43.3234,
64.0070

■ 34.6359, 37.6299,
63.1961

■ 46.3537, 49.6563,
64.8999

■ 29.9549, 32.5466,
62.4617

■ 53.4625, 56.6456,
65.8743

■ 26.0066, 28.0498,
61.8018

■ 61.4487, 64.3143,
66.9336

■ 22.7463, 24.1117,
61.2135

■ 70.3430, 72.6824,
68.0800

■ 20.1245, 20.7014,
60.6934

■ 80.1746, 81.7690,
69.3157

■ 18.0838, 17.7840,
60.2379

■ 83.2254, 87.5995,
70.2803

■ 16.5534, 15.3175,
59.8425

■ 86.2574, 93.6635,
71.2910

■ 16.0146, 14.3978,
59.6934

■ 88.0196, 97.1878,
71.8784

Harmonies

Analogous

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



37.6839, 43.3234, 59.6907



40.0884, 43.3234, 64.0070



42.8950, 43.3234, 63.4489

Triad

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



40.0884, 43.3234, 64.0070



46.5258, 43.3234, 42.4847



37.2747, 43.3234, 37.6009

Complementary

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



40.0884, 43.3234, 64.0070



46.7652, 47.0870, 36.3306

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.



39.5067, 43.3234, 33.9477



40.0884, 43.3234, 64.0070



44.8808, 43.3234, 36.5384

Square

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



40.0884, 43.3234, 64.0070



46.6990, 43.3234, 50.3896



42.2863, 43.3234, 33.5823



36.1095, 43.3234, 44.0940

Rectangle

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



40.0884, 43.3234, 64.0070



44.6162, 43.3234, 60.3972



42.2863, 43.3234, 33.5823



37.9203, 43.3234, 36.0334

Sweetspot

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



40.0897, 43.3251, 64.0080



84.8294, 90.1149, 107.5307



42.7785, 53.5379, 49.9980



17.7681, 18.9078, 22.9630



0.0000, 0.0000, 0.0000



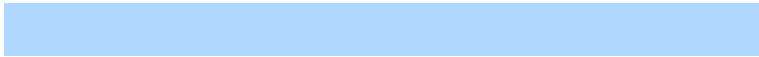
20.3446, 21.4041, 23.3091

Same Dimension

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



40.0897, 43.3251, 64.0080



60.5565, 65.6708, 104.0918



35.3414, 33.8284, 62.4252



11.0663, 11.7731, 14.2595



10.0650, 9.1540, 37.1927



0.5951, 0.6240, 1.9440

Inverse Universe

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



44.5428, 38.6913, 47.7703



69.1792, 57.2605, 72.5238



52.4657, 58.4882, 38.2308



11.4468, 11.3075, 12.8877



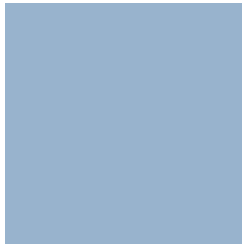
17.2913, 8.7271, 9.2524



0.9303, 0.4655, 0.6790

Previews

White Background



This preview shows how the XYZ color 40.0884, 43.3234, 64.0070 looks on a white background.

Color Contrast Check

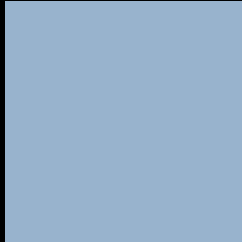
Large Text (above 18pt) WCAG AA × Fail

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 40.0884, 43.3234, 64.0070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

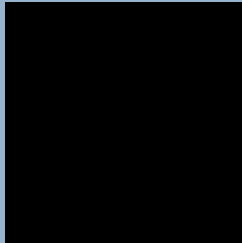
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

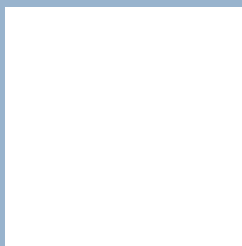
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0884, 43.3234, 64.0070

Background



This preview shows how black text looks on a background with the XYZ color 40.0884, 43.3234, 64.0070.



This preview shows how white text looks on a background with the XYZ color 40.0884, 43.3234,

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

40.0884, 43.3234, 64.0070

Protanopia

42.5913, 43.1943, 61.9696

Deuteranopia

44.1855, 43.0958, 65.0210



Tritanopia

38.9519, 43.4719, 57.9677

Trichromacy



Original Color

40.0884, 43.3234, 64.0070

Protanomaly

41.6147, 43.2550, 62.6556

Deuteranomaly

42.6388, 43.1634, 64.4766

Tritanomaly

39.3926, 43.3453, 60.3231

Monochromacy



Original Color

40.0884, 43.3234, 64.0070

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.0082, 42.6604, 52.0246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0884, 43.3234, 64.0070 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(152, 179, 205)` looks like.

```
.text, #text, p{  
    color:rgb(152, 179, 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(152, 179, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 179, 205) }
```

Border

The CSS property to change the border of an element to XYZ 40.0884, 43.3234, 64.0070 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(152, 179, 205) }
```


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

```
.border{ border-color:rgb(152, 179, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 179, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 179, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 179, 205);  
box-shadow:4px 4px 4px 4px rgb(152, 179,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0884, 43.3234, 64.0070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 179, 205) }
```

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

```
.background{ background-color: rgb(152,  
179, 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](#).

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