

Converting Colors

XYZ(41.1260, 48.0706, 73.2884)

Have a look what the booklet for
XYZ(41.1260, 48.0706, 73.2884)
contains.

XYZ(41.0849, 48.0272, 73.4344)	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(41.0849, 48.0272,
73.4344)**

Conversions

Conversions Part 1

Format	Color
Hex	83C1DA
RGB	131, 193, 218
RGB Percent	51%, 76%, 85%
CMY	0.4863, 0.2431, 0.1451
CMYK	0.40, 0.11, 0.00, 0.15
HSL	197°, 54%, 68%
HSV	197°, 40%, 85%
XYZ	41.0849, 48.0272, 73.4344
YIQ	177.3120, -44.9770, -5.3690

Conversions

Conversions Part 2

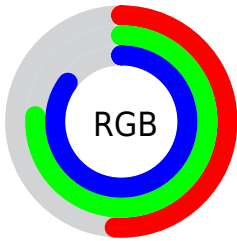
Format	Color
R _{YB}	131, 167, 218
Decimal	8634842
CIE Lab	74.84, -13.51, -18.77
CIE LCh	75, 23.124, 234.254
Yxy	48.0272, 0.2528, 0.2955
Android (android.graphics.Color)	4286824922 (0xFF83C1DA)
YUV	177.3120, 20.0592, -40.6156
Hunter-Lab	69.3017, -15.4557, -14.3145

Details

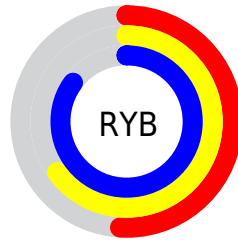
The XYZ color **41.0849, 48.0272, 73.4344** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.8994, 40.3218, 26.8904**, and the grayscale version is **41.8699, 44.0504, 47.9709**.

A 20% lighter version of the original color is **72.4192, 85.5362, 107.3010**, and **18.8240, 22.6461, 38.0293** is the 20% darker color. If you saturate the color by 10%, you get **36.7019, 43.7564, 72.8419**, and if you desaturate by 10%, it is **46.2399, 52.7853, 74.0819**.

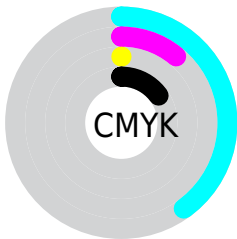
Distribution



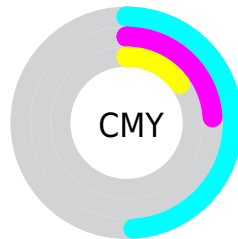
- Red (51%)
- Green (76%)
- Blue (85%)



- Red (51%)
- Yellow (65%)
- Blue (85%)



- Cyan (40%)
- Magenta (11%)
- Yellow (0%)
- Black (15%)



- Cyan (49%)
- Magenta (24%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0849, 48.0272, 73.4344 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 41.0849, 48.0272, 73.4344 by changing the saturation by 10% instead.

■ 41.0849, 48.0272,
73.4344

■ 41.0849, 48.0272,
73.4344

341.7319,
378.8999, 491.6301

■ 28.5734, 33.8484,
53.8373

■ 76.0867, 87.2449,
125.8203

■ 18.9010, 22.7772,
38.0793

■ 99.3076, 113.0526,
159.4462

■ 11.7023, 14.4291,
25.7419

■ 126.8291,
143.5054, 198.5854

■ 6.6121, 8.4197,
16.4066

159.0165,
178.9878, 243.6564

■ 3.2649, 4.3647,
9.6549

196.2351,
219.8840, 295.0779

■ 1.2953, 1.8796,
5.0681

238.8503,

■ 0.1797, 0.5360,

266.5785, 353.2683

2.2279

287.2274,
319.4557, 418.6462

■ 0.0000, 0.0000,
0.6904

■ 0.0000, 0.0000,
0.0000

■ 41.0849, 48.0272,
73.4344

■ 41.0849, 48.0272,
73.4344

■ 36.7019, 43.7564,
72.8419

■ 46.2399, 52.7853,
74.0819

■ 33.0407, 39.9426,
72.2987

■ 52.2041, 58.0475,
74.7833

■ 30.0521, 36.5604,
71.8034

■ 59.0176, 63.8368,
75.5416

■ 27.6782, 33.5790,
71.3531

■ 66.7164, 70.1726,
76.3588

■ 25.8506, 30.9619,
70.9442

■ 75.3343, 77.0734,
77.2366

■ 24.4489, 28.6459,
70.5711

■ 82.3556, 83.2432,
78.0574

■ 24.4366, 28.6251,
70.5677

■ 84.1362, 86.8044,
78.6509

■ 85.9802, 90.4923,
79.2656

■ 87.8881, 94.3082,
79.9016

Harmonies

Analogous

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



38.6647, 48.0272, 62.3966



41.0849, 48.0272, 73.4344



44.8435, 48.0272, 78.8900

Triad

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



41.0849, 48.0272, 73.4344



54.1773, 48.0272, 54.6469



42.4062, 48.0272, 33.8911

Complementary

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



41.0849, 48.0272, 73.4344



44.8994, 40.3218, 26.8904

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.



46.4629, 48.0272, 32.4676



41.0849, 48.0272, 73.4344



53.4261, 48.0272, 43.3444

Square

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



41.0849, 48.0272, 73.4344



52.5319, 48.0272, 67.0251



50.5379, 48.0272, 35.6576



39.3941, 48.0272, 39.8959

Rectangle

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



41.0849, 48.0272, 73.4344



47.6688, 48.0272, 78.1077



50.5379, 48.0272, 35.6576



43.6860, 48.0272, 32.9038

Sweetspot

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



41.0864, 48.0291, 73.4355



81.9335, 89.1691, 107.5007



40.4037, 57.3576, 40.2402



17.2556, 18.8483, 22.9786



0.0000, 0.0000, 0.0000



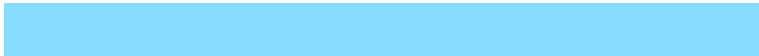
20.3446, 21.4041, 23.3091

Same Dimension

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



41.0864, 48.0291, 73.4355



53.2084, 63.2712, 104.0159



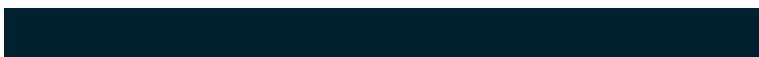
32.8986, 31.6534, 70.7063



13.1123, 14.1644, 16.6950



14.7362, 17.3418, 42.3090



1.0270, 1.2682, 2.7651

Inverse Universe

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



46.6566, 34.9896, 54.7487



62.4686, 43.0840, 72.6157



53.4691, 57.4611, 29.7470



13.4466, 13.2077, 15.6129



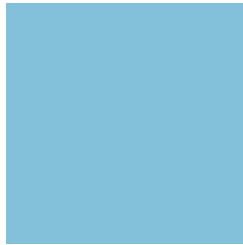
20.9335, 10.3744, 19.8275



1.3927, 0.6867, 1.4769

Previews

White Background



This preview shows how the XYZ color 41.0849, 48.0272, 73.4344 looks on a white background.

Color Contrast Check

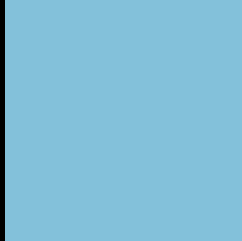
Large Text (above 18pt) WCAG AA × Fail

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 41.0849, 48.0272, 73.4344 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 41.0849, 48.0272, 73.4344

Background



This preview shows how black text looks on a background with the XYZ color 41.0849, 48.0272, 73.4344.



This preview shows how white text looks on a background with the XYZ color 41.0849, 48.0272,

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

41.0849, 48.0272, 73.4344

Protanopia

46.8459, 47.6240, 68.3513

Deuteranopia

48.6997, 47.5279, 75.0137



Tritanopia

39.9779, 47.9038, 68.1121

Trichromacy



Original Color

41.0849, 48.0272, 73.4344

Protanomaly

44.3944, 47.5499, 70.4565

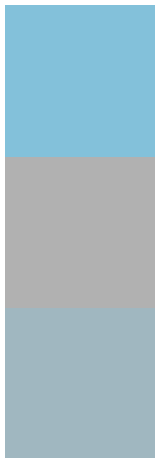
Deuteranomaly

45.3686, 47.3408, 74.4567

Tritanomaly

40.5079, 48.1335, 70.1065

Monochromacy



Original Color

41.0849, 48.0272, 73.4344

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.9451, 45.1463, 56.4252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0849, 48.0272, 73.4344 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(131, 193, 218)` looks like.

```
.text, #text, p{  
    color:rgb(131, 193, 218)  
}
```

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(131, 193, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 193, 218) }
```

Border

The CSS property to change the border of an element to XYZ 41.0849, 48.0272, 73.4344 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(131, 193, 218) }
```


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

```
.border{ border-color:rgb(131, 193, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 193, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 193, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 193, 218);  
box-shadow:4px 4px 4px 4px rgb(131, 193,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0849, 48.0272, 73.4344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 193, 218) }
```

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

```
.background{ background-color: rgb(131,  
193, 218) }
```

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