

Converting Colors

XYZ(42.4307, 50.7146, 73.9811)

Have a look what the booklet for
XYZ(42.4307, 50.7146, 73.9811)
contains.

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Color

**XYZ(42.4384, 50.7341,
73.8856)**

Conversions

Conversions Part 1

Format	Color
Hex	83C7DA
RGB	131, 199, 218
RGB Percent	51%, 78%, 85%
CMY	0.4863, 0.2196, 0.1451
CMYK	0.40, 0.09, 0.00, 0.15
HSL	193°, 54%, 68%
HSV	193°, 40%, 85%
XYZ	42.4384, 50.7341, 73.8856
YIQ	180.8340, -46.6270, -8.5070

Conversions

Conversions Part 2

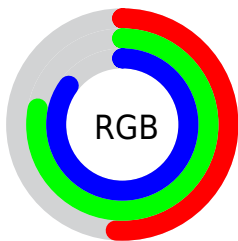
Format	Color
RYB	131, 169, 218
Decimal	8636378
CIELab	76.52, -16.62, -16.24
CIElCh	77, 23.238, 224.325
Yxy	50.7341, 0.2540, 0.3037
Android (android.graphics.Color)	4286826458 (0xFF83C7DA)
YUV	180.8340, 18.3228, -43.7044
Hunter-Lab	71.2279, -18.2964, -11.6428

Details

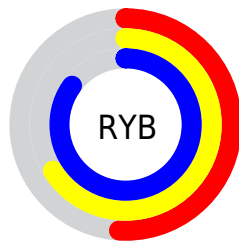
The XYZ color **42.4384, 50.7341, 73.8856** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.9175, 38.3577, 26.5632**, and the grayscale version is **43.7549, 46.0335, 50.1305**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **19.7167, 24.4316, 38.3269** is the 20% darker color. If you saturate the color by 10%, you get **38.3327, 47.0180, 73.3856**, and if you desaturate by 10%, it is **47.2918, 54.8889, 74.4326**.

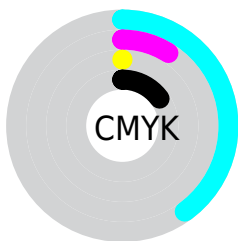
Distribution



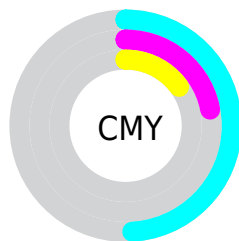
- Red (51%)
- Green (78%)
- Blue (85%)



- Red (51%)
- Yellow (66%)
- Blue (85%)



- Cyan (40%)
- Magenta (9%)
- Yellow (0%)
- Black (15%)



- Cyan (49%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4384, 50.7341, 73.8856 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 42.4384, 50.7341, 73.8856 by changing the saturation by 10% instead.

■ 42.4384, 50.7341,
73.8856

■ 42.4384, 50.7341,
73.8856

347.2579,
389.5298, 493.2313

■ 29.6373, 35.9970,
54.2042

■ 78.1237, 91.2616,
126.4662

■ 19.7102, 24.4319,
38.3706

■ 101.7387,
117.8208, 160.2024

■ 12.2916, 15.6543,
25.9664

■ 129.6889,
149.0896, 199.4607

■ 7.0162, 9.2799,
16.5730

162.3399,
185.4522, 244.6595

■ 3.5187, 4.9242,
9.7718

200.0569,
227.2932, 296.2174

■ 1.4336, 2.2028,
5.1443

243.2054,

■ 0.2800, 0.7215,

274.9968, 354.5530

2.2719

292.1506,
328.9476, 420.0848

■ 0.0000, 0.0000,
0.7154

■ 0.0000, 0.0000,
0.0000

■ 42.4384, 50.7341,
73.8856

■ 42.4384, 50.7341,
73.8856

■ 38.3327, 47.0180,
73.3856

■ 47.2918, 54.8889,
74.4326

■ 34.9249, 43.7108,
72.9269

■ 52.9295, 59.4982,
75.0252

■ 32.1660, 40.7882,
72.5081

■ 59.3914, 64.5841,
75.6663

■ 29.9988, 38.2200,
72.1267

■ 66.7129, 70.1655,
76.3577

■ 28.3551, 35.9708,
71.7792

■ 74.9277, 76.2600,
77.1011

■ 27.1150, 33.9781,
71.4599

■ 81.5194, 81.5708,
77.7788

■ 27.1041, 33.9601,
71.4570

■ 82.8439, 84.2197,
78.2203

■ 84.2047, 86.9413,
78.6739

■ 85.6021, 89.7361,
79.1397

Harmonies

Analogous

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



40.5058, 50.7341, 61.4322



42.4384, 50.7341, 73.8856



45.9793, 50.7341, 81.8988

Triad

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



42.4384, 50.7341, 73.8856



56.8017, 50.7341, 62.0239



46.1654, 50.7341, 34.9950

Complementary

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



42.4384, 50.7341, 73.8856



43.9175, 38.3577, 26.5632

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.



50.5349, 50.7341, 35.1037



42.4384, 50.7341, 73.8856



56.8590, 50.7341, 49.4801

Square

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



42.4384, 50.7341, 73.8856



54.3546, 50.7341, 74.3750



54.5069, 50.7341, 40.0304



42.5675, 50.7341, 39.7067

Rectangle

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



42.4384, 50.7341, 73.8856



48.8598, 50.7341, 82.9816



54.5069, 50.7341, 40.0304



47.5883, 50.7341, 34.4944

Sweetspot

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



42.4400, 50.7361, 73.8868



82.5798, 90.4617, 107.7162



39.9256, 57.1664, 37.7222



17.4083, 19.1537, 23.0295



0.0000, 0.0000, 0.0000



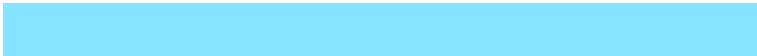
20.3446, 21.4041, 23.3091

Same Dimension

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



42.4400, 50.7361, 73.8868



55.4779, 67.8102, 104.7724



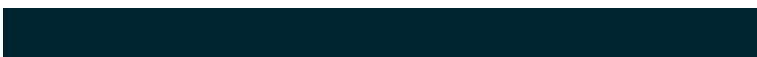
33.8461, 33.5483, 71.0222



13.1911, 14.3219, 16.7213



16.3203, 20.5100, 42.8371



1.1183, 1.4508, 2.7955

Inverse Universe

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



47.3399, 35.2630, 58.3463



63.6141, 43.5422, 78.6480



52.1587, 54.8402, 29.3103



13.4863, 13.2236, 15.8221



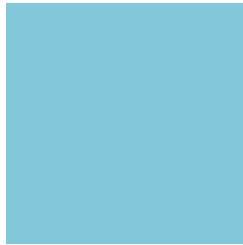
21.7331, 10.6943, 24.0381



1.4388, 0.7051, 1.7195

Previews

White Background



This preview shows how the XYZ color 42.4384, 50.7341, 73.8856 looks on a white background.

Color Contrast Check

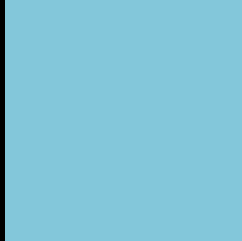
Large Text (above 18pt) WCAG AA × Fail

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 42.4384, 50.7341, 73.8856 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 42.4384, 50.7341, 73.8856

Background



This preview shows how black text looks on a background with the XYZ color 42.4384, 50.7341, 73.8856.



This preview shows how white text looks on a background with the XYZ color 42.4384, 50.7341,

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

42.4384, 50.7341, 73.8856

Protanopia

49.4108, 50.5081, 68.1176

Deuteranopia

51.4268, 50.4486, 75.4337



Tritanopia

41.8951, 50.4990, 71.8291

Trichromacy



Original Color

42.4384, 50.7341, 73.8856

Protanomaly

46.1581, 50.0650, 70.1815

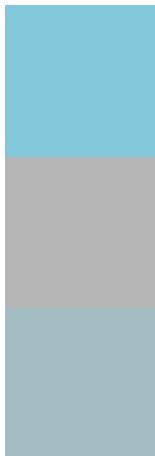
Deuteranomaly

47.4780, 49.9975, 74.8583

Tritanomaly

42.0240, 50.5505, 72.5081

Monochromacy



Original Color

42.4384, 50.7341, 73.8856

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.8251, 47.6480, 57.9788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4384, 50.7341, 73.8856 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, 199, 218)` looks like.

```
.text, #text, p{  
    color:rgb(131, 199, 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, 199, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 199, 218) }
```

Border

The CSS property to change the border of an element to XYZ 42.4384, 50.7341, 73.8856 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, 199, 218) }
```


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

```
.border{ border-color:rgb(131, 199, 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, 199, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 199, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 199, 218);  
box-shadow:4px 4px 4px 4px rgb(131, 199,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4384, 50.7341, 73.8856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 199, 218) }
```

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

```
.background{ background-color: rgb(131,  
199, 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](#).

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