

Converting Colors

XYZ(41.7690, 50.4791, 71.8209)

Have a look what the booklet for
XYZ(41.7690, 50.4791, 71.8209)
contains.

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Color

**XYZ(41.7424, 50.4203,
71.8220)**

Conversions

Conversions Part 1

Format	Color
Hex	81C7D7
RGB	129, 199, 215
RGB Percent	51%, 78%, 84%
CMY	0.4941, 0.2196, 0.1569
CMYK	0.40, 0.07, 0.00, 0.16
HSL	191°, 52%, 67%
HSV	191°, 40%, 84%
XYZ	41.7424, 50.4203, 71.8220
YIQ	179.8940, -46.8560, -9.8640

Conversions

Conversions Part 2

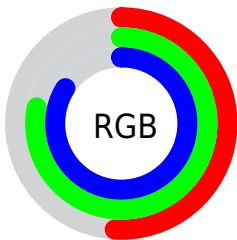
Format	Color
RYB	129, 168, 215
Decimal	8505303
CIELab	76.33, -17.90, -14.92
CIElCh	76, 23.301, 219.801
Yxy	50.4203, 0.2546, 0.3075
Android (android.graphics.Color)	4286695383 (0xFF81C7D7)
YUV	179.8940, 17.3073, -44.6340
Hunter-Lab	71.0073, -19.3295, -10.2652

Details

The XYZ color **41.7424, 50.4203, 71.8220** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.1130, 36.2835, 25.5539**, and the grayscale version is **43.2550, 45.5076, 49.5578**.

A 20% lighter version of the original color is **73.8176, 89.0543, 107.9063**, and **19.2946, 24.2447, 36.9205** is the 20% darker color. If you saturate the color by 10%, you get **37.9060, 47.0955, 71.3833**, and if you desaturate by 10%, it is **46.2931, 54.1516, 72.3032**.

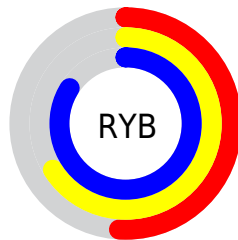
Distribution



Red (51%)

Green (78%)

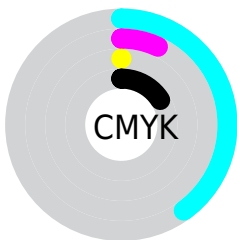
Blue (84%)



Red (51%)

Yellow (66%)

Blue (84%)

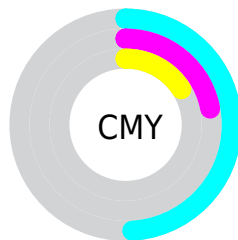


Cyan (40%)

Magenta (7%)

Yellow (0%)

Black (16%)



Cyan (49%)

Magenta (22%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7424, 50.4203, 71.8220 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 41.7424, 50.4203, 71.8220 by changing the saturation by 10% instead.

■ 41.7424, 50.4203,
71.8220

■ 41.7424, 50.4203,
71.8220

344.4238,
388.3073, 485.8827

■ 29.0899, 35.7475,
52.5273

■ 77.0772, 90.7973,
123.5088

■ 19.2934, 24.2392,
37.0404

■ 100.4902,
117.2703, 156.7380

■ 11.9878, 15.5112,
24.9428

■ 128.2207,
148.4454, 195.4491

■ 6.8075, 9.1789,
15.8158

160.6342,
184.7071, 240.0607

■ 3.3873, 4.8581,
9.2410

198.0958,
226.4397, 290.9914

■ 1.3617, 2.1642,
4.7997

240.9711,

■ 0.2287, 0.7004,

274.0277, 348.6595

2.0736

289.6253,
327.8554, 413.4838

■ 0.0000, 0.0000,
0.6000

■ 0.0000, 0.0000,
0.0000

■ 41.7424, 50.4203,
71.8220

■ 41.7424, 50.4203,
71.8220

■ 37.9060, 47.0955,
71.3833

■ 46.2931, 54.1516,
72.3032

■ 34.7357, 44.1485,
70.9816

■ 51.5935, 58.3044,
72.8255

■ 32.1845, 41.5560,
70.6157

■ 57.6817, 62.8998,
73.3916

■ 30.1969, 39.2892,
70.2829

■ 64.5923, 67.9558,
74.0033

■ 28.7072, 37.3139,
69.9801

■ 72.3575, 73.4894,
74.6621

■ 27.5971, 35.5688,
69.7018

■ 79.8938, 78.9422,
75.3174

■ 27.5970, 35.5686,
69.7018

■ 80.9751, 81.1048,
75.6778

■ 82.0818, 83.3182,
76.0467

■ 83.2141, 85.5827,
76.4241

Harmonies

Analogous

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



40.0975, 50.4203, 59.1059



41.7424, 50.4203, 71.8220



45.0748, 50.4203, 80.7745

Triad

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



41.7424, 50.4203, 71.8220



56.2650, 50.4203, 63.6510



46.5043, 50.4203, 34.4050

Complementary

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



41.7424, 50.4203, 71.8220



42.1130, 36.2835, 25.5539

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.



50.8887, 50.4203, 35.2399



41.7424, 50.4203, 71.8220



56.7056, 50.4203, 50.8969

Square

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



41.7424, 50.4203, 71.8220



53.5158, 50.4203, 75.5814



54.6854, 50.4203, 40.8681



42.7341, 50.4203, 38.3825

Rectangle

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



41.7424, 50.4203, 71.8220



47.8937, 50.4203, 82.7076



54.6854, 50.4203, 40.8681



47.9523, 50.4203, 34.1481

Sweetspot

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



41.7439, 50.4223, 71.8232



82.8855, 91.0730, 107.8181



38.4476, 55.3062, 35.3438



17.4805, 19.2983, 23.0536



0.0000, 0.0000, 0.0000



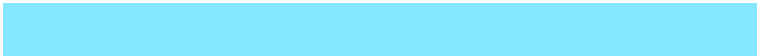
20.3446, 21.4041, 23.3091

Same Dimension

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



41.7439, 50.4223, 71.8232



56.5814, 70.0172, 105.1403



33.2478, 33.4300, 68.9911



12.5867, 13.6967, 15.9179



16.5788, 21.4194, 41.7137



1.0520, 1.3960, 2.5333

Inverse Universe

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



46.1846, 34.2724, 58.2161



64.1711, 43.7650, 81.5811



49.9212, 51.9000, 28.1566



12.8493, 12.5912, 15.1468



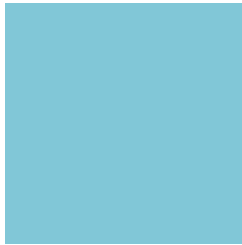
21.4271, 10.5072, 25.3508



1.3186, 0.6442, 1.6673

Previews

White Background



This preview shows how the XYZ color 41.7424, 50.4203, 71.8220 looks on a white background.

Color Contrast Check

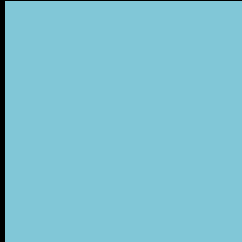
Large Text (above 18pt) WCAG AA × Fail

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 41.7424, 50.4203, 71.8220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

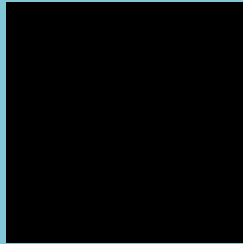
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7424, 50.4203, 71.8220

Background



This preview shows how black text looks on a background with the XYZ color 41.7424, 50.4203, 71.8220.



This preview shows how white text looks on a background with the XYZ color 41.7424, 50.4203,

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

41.7424, 50.4203, 71.8220

Protanopia

48.8290, 49.9371, 66.0967

Deuteranopia

51.0742, 50.0053, 73.2898



Tritanopia

41.7424, 50.4203, 71.8220

Trichromacy



Original Color

41.7424, 50.4203, 71.8220

Protanomaly

45.7807, 49.9141, 68.1942

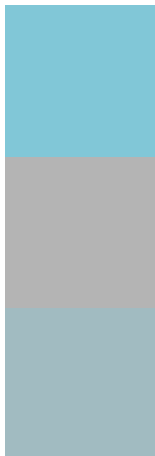
Deuteranomaly

46.8704, 49.7298, 72.7741

Tritanomaly

41.7424, 50.4203, 71.8220

Monochromacy



Original Color

41.7424, 50.4203, 71.8220

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.0939, 46.9680, 57.2992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7424, 50.4203, 71.8220 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(129, 199, 215)` looks like.

```
.text, #text, p{  
    color:rgb(129, 199, 215)  
}
```

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(129, 199, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 199, 215) }
```

Border

The CSS property to change the border of an element to XYZ 41.7424, 50.4203, 71.8220 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(129, 199, 215) }
```


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

```
.border{ border-color:rgb(129, 199, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 199, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 199, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 199, 215);  
box-shadow:4px 4px 4px 4px rgb(129, 199,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7424, 50.4203, 71.8220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 199, 215) }
```

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

```
.background{ background-color: rgb(129,  
199, 215) }
```

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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