

Converting Colors

XYZ(41.2338, 49.8324, 71.0637)

Have a look what the booklet for
XYZ(41.2338, 49.8324, 71.0637)
contains.

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Color

**XYZ(41.2338, 49.8324,
71.0637)**

Conversions

Conversions Part 1

Format	Color
Hex	80C6D6
RGB	128, 198, 214
RGB Percent	50%, 78%, 84%
CMY	0.4980, 0.2235, 0.1608
CMYK	0.40, 0.07, 0.00, 0.16
HSL	191°, 51%, 67%
HSV	191°, 40%, 84%
XYZ	41.2338, 49.8324, 71.0637
YIQ	178.8940, -46.8560, -9.8640

Conversions

Conversions Part 2

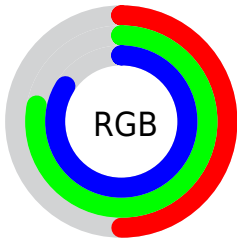
Format	Color
R _{YB}	128, 167, 214
Decimal	8439510
CIE Lab	75.97, -17.90, -14.92
CIE LCh	76, 23.302, 219.817
Yxy	49.8324, 0.2543, 0.3074
Android (android.graphics.Color)	4286629590 (0xFF80C6D6)
YUV	178.8940, 17.3073, -44.6340
Hunter-Lab	70.5921, -19.2718, -10.2717

Details

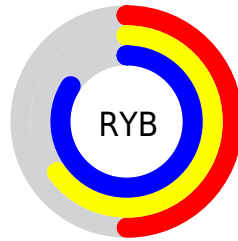
The XYZ color **41.2338, 49.8324, 71.0637** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.6020, 35.8021, 25.1413**, and the grayscale version is **42.7212, 44.9461, 48.9463**.

A 20% lighter version of the original color is **73.5772, 88.9303, 107.8951**, and **18.9789, 23.8662, 36.4072** is the 20% darker color. If you saturate the color by 10%, you get **37.4504, 46.5499, 70.6304**, and if you desaturate by 10%, it is **45.7229, 53.5165, 71.5391**.

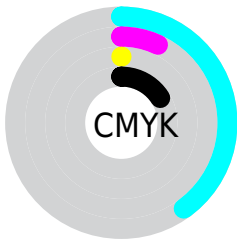
Distribution



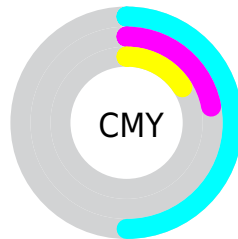
- Red (50%)
- Green (78%)
- Blue (84%)



- Red (50%)
- Yellow (65%)
- Blue (84%)



- Cyan (40%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)



- Cyan (50%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2338, 49.8324, 71.0637 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 41.2338, 49.8324, 71.0637 by changing the saturation by 10% instead.

■ 41.2338, 49.8324,
71.0637

■ 41.2338, 49.8324,
71.0637

342.3427,
386.0102, 483.1657

■ 28.6903, 35.2802,
51.9120

■ 76.3111, 89.9265,
122.4197

■ 18.9898, 23.8788,
36.5532

■ 99.5757, 116.2372,
155.4612

■ 11.7668, 15.2438,
24.5687

■ 127.1447,
147.2363, 193.9696

■ 6.6562, 8.9906,
15.5399

159.3834,
183.3081, 238.3636

■ 3.2924, 4.7351,
9.0484

196.6572,
224.8369, 289.0616

■ 1.3102, 2.0927,
4.6755

239.3314,

■ 0.1909, 0.6605,

272.2073, 346.4823

2.0028

287.7715,
325.8036, 411.0442

■ 0.0000, 0.0000,
0.5570

■ 0.0000, 0.0000,
0.0000

■ 41.2338, 49.8324,
71.0637

■ 41.2338, 49.8324,
71.0637

■ 37.4504, 46.5499,
70.6304

■ 45.7229, 53.5165,
71.5391

■ 34.3250, 43.6408,
70.2336

■ 50.9527, 57.6171,
72.0549

■ 31.8110, 41.0818,
69.8722

■ 56.9612, 62.1550,
72.6142

■ 29.8534, 38.8443,
69.5435

■ 63.7823, 67.1483,
73.2184

■ 28.3871, 36.8945,
69.2444

■ 71.4480, 72.6135,
73.8693

■ 27.3108, 35.2011,
68.9743

■ 79.4697, 78.2990,
74.5439

■ 80.5389, 80.4375,
74.9003

■ 81.6333, 82.6262,
75.2651

■ 82.7530, 84.8655,
75.6383

Harmonies

Analogous

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



39.6013, 49.8324, 58.4408



41.2338, 49.8324, 71.0637



44.5404, 49.8324, 79.9513

Triad

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



41.2338, 49.8324, 71.0637



55.6446, 49.8324, 62.9381



45.9543, 49.8324, 33.9361

Complementary

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



41.2338, 49.8324, 71.0637



41.6020, 35.8021, 25.1413

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.



50.3049, 49.8324, 34.7608



41.2338, 49.8324, 71.0637



56.0806, 49.8324, 50.2817

Square

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



41.2338, 49.8324, 71.0637



52.9167, 49.8324, 74.7853



54.0740, 49.8324, 40.3373



42.2144, 49.8324, 37.8809

Rectangle

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



41.2338, 49.8324, 71.0637



47.3375, 49.8324, 81.8684



54.0740, 49.8324, 40.3373



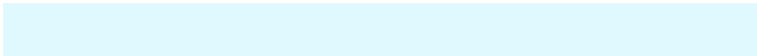
47.3909, 49.8324, 33.6807

Sweetspot

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



41.2353, 49.8343, 71.0649



82.8854, 91.0729, 107.8180



37.9661, 54.6899, 34.8488



17.4805, 19.2983, 23.0536



0.0000, 0.0000, 0.0000



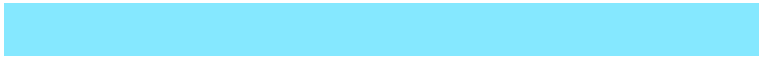
20.3446, 21.4041, 23.3091

Same Dimension

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



41.2353, 49.8343, 71.0649



56.5813, 70.0169, 105.1402



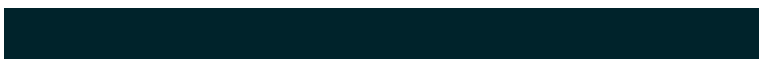
32.8012, 32.9661, 68.2535



12.5867, 13.6967, 15.9179



16.5787, 21.4192, 41.7137



1.0520, 1.3959, 2.5333

Inverse Universe

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



45.6451, 33.8131, 57.5490



64.1711, 43.7650, 81.5808



49.3498, 51.2976, 27.7239



12.8493, 12.5912, 15.1467



21.4270, 10.5071, 25.3506



1.3186, 0.6442, 1.6673

Previews

White Background



This preview shows how the XYZ color 41.2338, 49.8324, 71.0637 looks on a white background.

Color Contrast Check

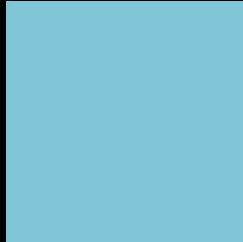
Large Text (above 18pt) WCAG AA × Fail

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 41.2338, 49.8324, 71.0637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

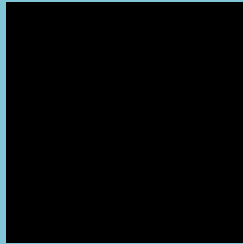
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.2338, 49.8324, 71.0637

Background



This preview shows how black text looks on a background with the XYZ color 41.2338, 49.8324, 71.0637.



This preview shows how white text looks on a background with the XYZ color 41.2338, 49.8324,

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

41.2338, 49.8324, 71.0637

Protanopia

48.2567, 49.3445, 65.3736

Deuteranopia

50.4875, 49.4128, 72.5223



Tritanopia

41.2338, 49.8324, 71.0637

Trichromacy



Original Color

41.2338, 49.8324, 71.0637

Protanomaly

45.2319, 49.3229, 67.4579

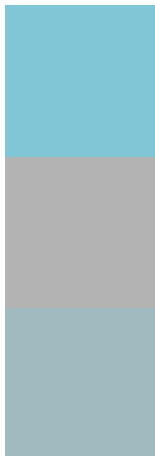
Deuteranomaly

46.3142, 49.1398, 72.0097

Tritanomaly

41.2338, 49.8324, 71.0637

Monochromacy



Original Color

41.2338, 49.8324, 71.0637

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.5705, 46.3972, 56.6337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2338, 49.8324, 71.0637 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(128, 198, 214)` looks like.

```
.text, #text, p{  
    color:rgb(128, 198, 214)  
}
```

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(128, 198, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 198, 214) }
```

Border

The CSS property to change the border of an element to XYZ 41.2338, 49.8324, 71.0637 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(128, 198, 214) }
```


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

```
.border{ border-color:rgb(128, 198, 214) }
```

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

Here you see how a box with a 4 pixel rgb(128, 198, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 198, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 198, 214);  
box-shadow:4px 4px 4px 4px rgb(128, 198,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2338, 49.8324, 71.0637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 198, 214) }
```

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

```
.background{ background-color: rgb(128,  
198, 214) }
```

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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