

Converting Colors

XYZ(41.6185, 49.1100, 72.4890)

Have a look what the booklet for
XYZ(41.6185, 49.1100, 72.4890)
contains.

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Color

**XYZ(41.4255, 48.8936,
72.2198)**

Conversions

Conversions Part 1

Format	Color
Hex	84C3D8
RGB	132, 195, 216
RGB Percent	52%, 76%, 85%
CMY	0.4823, 0.2353, 0.1529
CMYK	0.39, 0.10, 0.00, 0.15
HSL	195°, 52%, 68%
HSV	195°, 39%, 85%
XYZ	41.4255, 48.8936, 72.2198
YIQ	178.5570, -44.2890, -6.8250

Conversions

Conversions Part 2

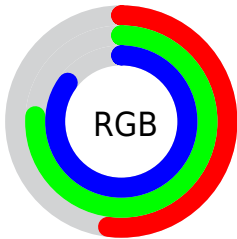
Format	Color
R _{YB}	132, 168, 216
Decimal	8700888
CIE Lab	75.39, -14.81, -16.86
CIE LCh	75, 22.439, 228.707
Yxy	48.8936, 0.2549, 0.3008
Android (android.graphics.Color)	4286890968 (0xFF84C3D8)
YUV	178.5570, 18.4594, -40.8305
Hunter-Lab	69.9240, -16.6170, -12.2899

Details

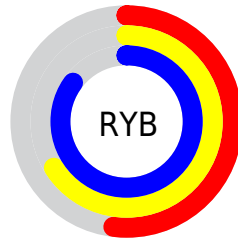
The XYZ color **41.4255, 48.8936, 72.2198** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.8759, 39.0482, 27.0557**, and the grayscale version is **42.5353, 44.7504, 48.7332**.

A 20% lighter version of the original color is **73.5994, 87.5322, 107.6240**, and **19.0185, 23.2007, 37.1940** is the 20% darker color. If you saturate the color by 10%, you get **37.2033, 44.9544, 71.6828**, and if you desaturate by 10%, it is **46.3937, 53.2846, 72.8064**.

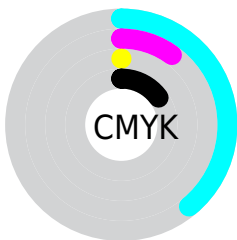
Distribution



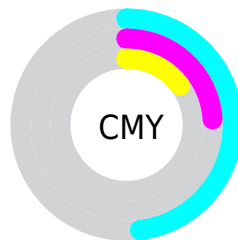
- Red (52%)
- Green (76%)
- Blue (85%)



- Red (52%)
- Yellow (66%)
- Blue (85%)



- Cyan (39%)
- Magenta (10%)
- Yellow (0%)
- Black (15%)



- Cyan (48%)
- Magenta (24%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4255, 48.8936, 72.2198 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 41.4255, 48.8936, 72.2198 by changing the saturation by 10% instead.

■ 41.4255, 48.8936,
72.2198

■ 41.4255, 48.8936,
72.2198

343.1281,
382.3233, 487.3044

■ 28.8408, 34.5351,
52.8503

■ 76.6000, 88.5334,
124.0796

■ 19.1041, 23.3050,
37.2964

■ 99.9206, 114.5835,
157.4070

■ 11.8500, 14.8189,
25.1395

■ 127.5506,
145.2995, 196.2241

■ 6.7131, 8.6924,
15.9610

159.8552,
181.0660, 240.9495

■ 3.3281, 4.5411,
9.3425

197.2000,
222.2672, 292.0017

■ 1.3295, 1.9806,
4.8654

239.9501,

■ 0.2052, 0.5962,

269.2875, 349.7992

2.1112

288.4711,
322.5114, 414.7606

■ 0.0000, 0.0000,
0.6224

■ 0.0000, 0.0000,
0.0000

■ 41.4255, 48.8936,
72.2198

■ 41.4255, 48.8936,
72.2198

■ 37.2033, 44.9544,
71.6828

■ 46.3937, 53.2846,
72.8064

■ 33.6787, 41.4379,
71.1899

■ 52.1437, 58.1432,
73.4411

■ 30.8045, 38.3203,
70.7396

■ 58.7141, 63.4910,
74.1270

■ 28.5251, 35.5722,
70.3293

■ 66.1397, 69.3465,
74.8659

■ 26.7752, 33.1593,
69.9558

■ 74.4532, 75.7274,
75.6593

■ 25.4522, 31.0279,
69.6141

■ 81.2138, 81.3759,
76.3933

■ 25.3160, 30.8003,
69.5774

■ 82.7174, 84.3831,
76.8945

■ 84.2678, 87.4839,
77.4113

■ 85.8653, 90.6790,
77.9438

Harmonies

Analogous

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



39.3482, 48.8936, 60.8699



41.4255, 48.8936, 72.2198



44.9339, 48.8936, 78.8013

Triad

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



41.4255, 48.8936, 72.2198



54.7032, 48.8936, 57.8164



43.9710, 48.8936, 34.4688

Complementary

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



41.4255, 48.8936, 72.2198



43.8759, 39.0482, 27.0557

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.



48.0446, 48.8936, 33.9022



41.4255, 48.8936, 72.2198



54.4074, 48.8936, 46.2701

Square

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



41.4255, 48.8936, 72.2198



52.6980, 48.8936, 69.7013



51.9123, 48.8936, 37.9110



40.7566, 48.8936, 39.5936

Rectangle

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



41.4255, 48.8936, 72.2198



47.6845, 48.8936, 79.0331



51.9123, 48.8936, 37.9110



45.2800, 48.8936, 33.7704

Sweetspot

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



41.4270, 48.8955, 72.2209



82.2827, 89.8674, 107.6171



39.7075, 56.2722, 38.3045



17.3380, 19.0133, 23.0061



0.0000, 0.0000, 0.0000



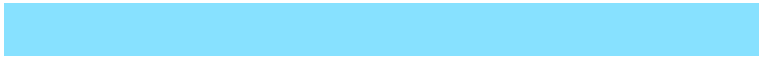
20.3446, 21.4041, 23.3091

Same Dimension

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



41.4270, 48.8955, 72.2209



55.0018, 66.2552, 104.4974



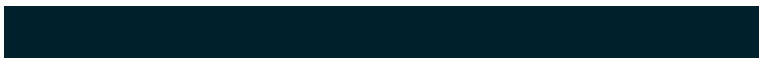
33.5334, 33.1083, 69.5897



12.5171, 13.5576, 15.8947



15.0739, 18.4096, 41.2121



0.9729, 1.2379, 2.5070

Inverse Universe

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



46.4218, 35.0430, 55.9490



63.5209, 44.0682, 76.4206



51.6877, 54.6718, 29.6596



12.8142, 12.5772, 14.9618



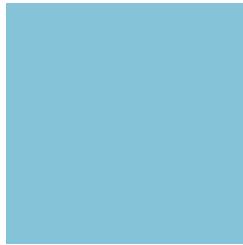
20.6675, 10.2033, 21.3507



1.2787, 0.6283, 1.4572

Previews

White Background



This preview shows how the XYZ color 41.4255, 48.8936, 72.2198 looks on a white background.

Color Contrast Check

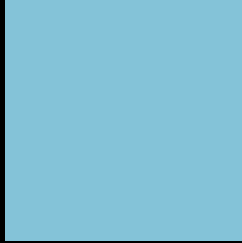
Large Text (above 18pt) WCAG AA × Fail

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 41.4255, 48.8936, 72.2198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

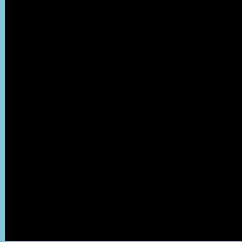
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.4255, 48.8936, 72.2198

Background



This preview shows how black text looks on a background with the XYZ color 41.4255, 48.8936, 72.2198.



This preview shows how white text looks on a background with the XYZ color 41.4255, 48.8936,

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

41.4255, 48.8936, 72.2198

Protanopia

47.7052, 48.7082, 67.2089

Deuteranopia

49.5598, 48.6013, 73.7867



Tritanopia

40.8579, 49.0083, 68.9341

Trichromacy



Original Color

41.4255, 48.8936, 72.2198

Protanomaly

44.9711, 48.5064, 69.2798

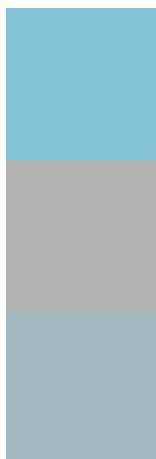
Deuteranomaly

45.9397, 48.2868, 73.2287

Tritanomaly

41.1102, 49.1092, 70.2631

Monochromacy



Original Color

41.4255, 48.8936, 72.2198

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.7637, 46.1851, 56.5826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4255, 48.8936, 72.2198 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(132, 195, 216)` looks like.

```
.text, #text, p{  
    color:rgb(132, 195, 216)  
}
```

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(132, 195, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 195, 216) }
```

Border

The CSS property to change the border of an element to XYZ 41.4255, 48.8936, 72.2198 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(132, 195, 216) }
```


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

```
.border{ border-color:rgb(132, 195, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 195, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 195, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 195, 216);  
box-shadow:4px 4px 4px 4px rgb(132, 195,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4255, 48.8936, 72.2198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 195, 216) }
```

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

```
.background{ background-color: rgb(132,  
195, 216) }
```

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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