

Converting Colors

XYZ(41.5233, 48.7310, 74.4528)

Have a look what the booklet for
XYZ(41.5233, 48.7310, 74.4528)
contains.

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Color

**XYZ(41.6614, 48.9700,
74.2742)**

Conversions

Conversions Part 1

Format	Color
Hex	83C3DB
RGB	131, 195, 219
RGB Percent	51%, 76%, 86%
CMY	0.4863, 0.2353, 0.1412
CMYK	0.40, 0.11, 0.00, 0.14
HSL	196°, 55%, 69%
HSV	196°, 40%, 86%
XYZ	41.6614, 48.9700, 74.2742
YIQ	178.6000, -45.8480, -6.1040

Conversions

Conversions Part 2

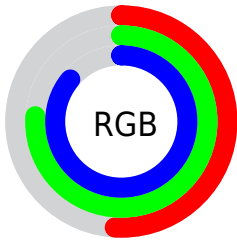
Format	Color
RYB	131, 168, 219
Decimal	8635355
CIELab	75.43, -14.29, -18.42
CIELCh	75, 23.312, 232.181
Yxy	48.9700, 0.2526, 0.2970
Android (android.graphics.Color)	4286825435 (0xFF83C3DB)
YUV	178.6000, 19.9172, -41.7452
Hunter-Lab	69.9786, -16.1934, -13.9445

Details

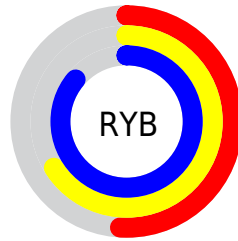
The XYZ color **41.6614, 48.9700, 74.2742** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.0325, 40.1424, 26.8490**, and the grayscale version is **42.5512, 44.7672, 48.7515**.

A 20% lighter version of the original color is **73.3539, 87.4056, 107.6125**, and **19.2062, 23.2666, 38.6006** is the 20% darker color. If you saturate the color by 10%, you get **37.3101, 44.7809, 73.6958**, and if you desaturate by 10%, it is **46.7862, 53.6395, 74.9063**.

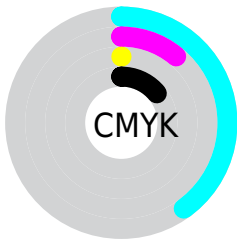
Distribution



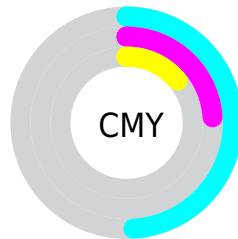
- Red (51%)
- Green (76%)
- Blue (86%)



- Red (51%)
- Yellow (66%)
- Blue (86%)



- Cyan (40%)
- Magenta (11%)
- Yellow (0%)
- Black (14%)



- Cyan (49%)
- Magenta (24%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6614, 48.9700, 74.2742 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 41.6614, 48.9700, 74.2742 by changing the saturation by 10% instead.

■ 41.6614, 48.9700,
74.2742

■ 41.6614, 48.9700,
74.2742

344.0929,
382.6242, 494.6079

■ 29.0262, 34.5957,
54.5203

■ 76.9553, 88.6469,
127.0221

■ 19.2450, 23.3516,
38.6218

■ 100.3447,
114.7183, 160.8531

■ 11.9525, 14.8533,
26.1601

■ 128.0496,
145.4574, 200.2137

■ 6.7833, 8.7165,
16.7166

160.4352,
181.2488, 245.5223

■ 3.3721, 4.5567,
9.8728

197.8670,
222.4768, 297.1975

■ 1.3534, 1.9896,
5.2102

240.7103,

■ 0.2227, 0.6014,

269.5257, 355.6578

2.3102

289.3305,
322.7801, 421.3217

■ 0.0000, 0.0000,
0.7369

■ 0.0000, 0.0000,
0.0000

■ 41.6614, 48.9700,
74.2742

■ 41.6614, 48.9700,
74.2742

■ 37.3101, 44.7809,
73.6958

■ 46.7862, 53.6395,
74.9063

■ 33.6815, 41.0417,
73.1653

■ 52.7219, 58.8064,
75.5907

■ 30.7256, 37.7271,
72.6813

■ 59.5093, 64.4936,
76.3307

■ 28.3840, 34.8057,
72.2409

■ 67.1846, 70.7206,
77.1281

■ 26.5870, 32.2408,
71.8405

■ 75.7820, 77.5060,
77.9847

■ 25.2322, 30.0062,
71.4806

■ 82.5569, 83.4357,
78.7722

■ 84.2557, 86.8331,
79.3384

■ 86.0120, 90.3458,
79.9239

■ 87.8264, 93.9747,
80.5287

Harmonies

Analogous

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



39.3074, 48.9700, 62.7584



41.6614, 48.9700, 74.2742



45.4298, 48.9700, 80.3562

Triad

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



41.6614, 48.9700, 74.2742



55.2163, 48.9700, 56.6034



43.4954, 48.9700, 34.2781

Complementary

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



41.6614, 48.9700, 74.2742



45.0325, 40.1424, 26.8490

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.



47.6773, 48.9700, 33.1506



41.6614, 48.9700, 74.2742



54.6195, 48.9700, 44.8788

Square

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



41.6614, 48.9700, 74.2742



53.3789, 48.9700, 69.1796



51.7950, 48.9700, 36.7316



40.3199, 48.9700, 40.0909

Rectangle

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



41.6614, 48.9700, 74.2742



48.3091, 48.9700, 79.9459



51.7950, 48.9700, 36.7316



44.8234, 48.9700, 33.3789

Sweetspot

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



41.6629, 48.9719, 74.2753



82.0700, 89.4420, 107.5462



40.5645, 57.8381, 39.8034



17.2878, 18.9128, 22.9893



0.0000, 0.0000, 0.0000



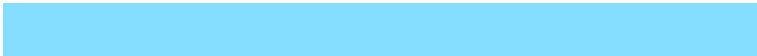
20.3446, 21.4041, 23.3091

Same Dimension

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



41.6629, 48.9719, 74.2753



53.6803, 64.2150, 104.1732



33.3003, 32.2466, 71.4878



13.1290, 14.1977, 16.7006



15.0568, 17.9830, 42.4159



1.0457, 1.3055, 2.7713

Inverse Universe

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



47.1814, 35.2343, 55.9459



62.7068, 43.1793, 73.8700



53.6122, 57.3018, 29.7089



13.4550, 13.2111, 15.6571



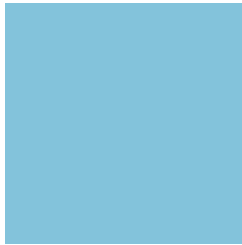
21.0953, 10.4392, 20.6796



1.4021, 0.6905, 1.5265

Previews

White Background



This preview shows how the XYZ color 41.6614, 48.9700, 74.2742 looks on a white background.

Color Contrast Check

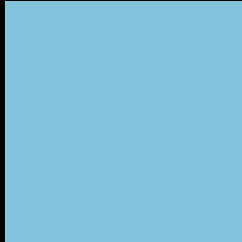
Large Text (above 18pt) WCAG AA × Fail

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 41.6614, 48.9700, 74.2742 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 41.6614, 48.9700, 74.2742

Background



This preview shows how black text looks on a background with the XYZ color 41.6614, 48.9700, 74.2742.



This preview shows how white text looks on a background with the XYZ color 41.6614, 48.9700,

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

41.6614, 48.9700, 74.2742

Protanopia

47.7208, 48.6874, 68.5105

Deuteranopia

49.7163, 48.6360, 75.8746



Tritanopia

40.6769, 48.9004, 69.5822

Trichromacy



Original Color

41.6614, 48.9700, 74.2742

Protanomaly

45.0211, 48.5029, 70.6075

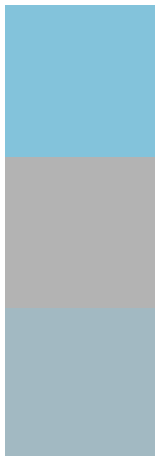
Deuteranomaly

46.1271, 48.3376, 75.3055

Tritanomaly

41.2116, 49.1320, 71.6013

Monochromacy



Original Color

41.6614, 48.9700, 74.2742

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.9869, 46.2743, 57.7578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6614, 48.9700, 74.2742 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, 195, 219)` looks like.

```
.text, #text, p{  
    color:rgb(131, 195, 219)  
}
```

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, 195, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 195, 219) }
```

Border

The CSS property to change the border of an element to XYZ 41.6614, 48.9700, 74.2742 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, 195, 219) }
```


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

```
.border{ border-color:rgb(131, 195, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 195, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 195, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 195, 219);  
box-shadow:4px 4px 4px 4px rgb(131, 195,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6614, 48.9700, 74.2742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 195, 219) }
```

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

```
.background{ background-color: rgb(131,  
195, 219) }
```

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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