

Converting Colors

XYZ(47.9836, 55.1642, 71.0713)

Have a look what the booklet for
XYZ(47.9836, 55.1642, 71.0713)
contains.

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Color

**XYZ(47.8634, 54.9896,
71.0422)**

Conversions

Conversions Part 1

Format	Color
Hex	A0CBD5
RGB	160, 203, 213
RGB Percent	63%, 80%, 84%
CMY	0.3725, 0.2039, 0.1647
CMYK	0.25, 0.05, 0.00, 0.16
HSL	191°, 39%, 73%
HSV	191°, 25%, 84%
XYZ	47.8634, 54.9896, 71.0422
YIQ	191.2830, -28.8380, -6.0060

Conversions

Conversions Part 2

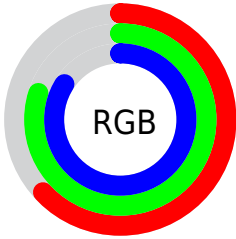
Format	Color
RYB	160, 184, 213
Decimal	10537941
CIELab	79.04, -11.84, -9.61
CIELCh	79, 15.251, 219.070
Yxy	54.9896, 0.2752, 0.3162
Android (android.graphics.Color)	4288728021 (0xFFA0CBD5)
YUV	191.2830, 10.7065, -27.4352
Hunter-Lab	74.1550, -14.5582, -4.8927

Details

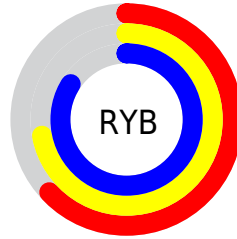
The XYZ color **47.8634, 54.9896, 71.0422** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.1611, 45.4339, 39.4901**, and the grayscale version is **49.6386, 52.2237, 56.8716**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **22.9824, 27.0893, 36.3652** is the 20% darker color. If you saturate the color by 10%, you get **43.0285, 51.1081, 70.5487**, and if you desaturate by 10%, it is **53.4557, 59.3009, 71.5805**.

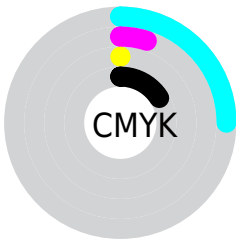
Distribution



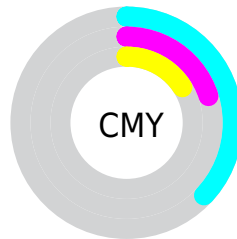
- Red (63%)
- Green (80%)
- Blue (84%)



- Red (63%)
- Yellow (72%)
- Blue (84%)



- Cyan (25%)
- Magenta (5%)
- Yellow (0%)
- Black (16%)



- Cyan (37%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8634, 54.9896, 71.0422 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 47.8634, 54.9896, 71.0422 by changing the saturation by 10% instead.

■ 47.8634, 54.9896,
71.0422

■ 47.8634, 54.9896,
71.0422

368.8420,
405.8725, 483.0886

■ 33.9295, 39.3934,
51.8946

■ 86.2119, 97.5257,
122.3888

■ 23.0021, 27.0659,
36.5394

■ 111.3573,
125.2344, 155.4249

■ 14.7158, 17.6227,
24.5581

140.9705,
157.7494, 193.9276

■ 8.7052, 10.6795,
15.5321

175.4169,
195.4551, 238.3154

■ 4.6049, 5.8517,
9.0429

215.0619,
238.7358, 289.0069

■ 2.0497, 2.7551,
4.6720

260.2709,

■ 0.6617, 1.0053,

287.9761, 346.4205

2.0008

311.4091,
343.5602, 410.9749

■ 0.0000, 0.0000,
0.5558

■ 0.0000, 0.0000,
0.0000

■ 47.8634, 54.9896,
71.0422

■ 47.8634, 54.9896,
71.0422

■ 43.0285, 51.1081,
70.5487

■ 53.4557, 59.3009,
71.5805

■ 38.9087, 47.6300,
70.0945

■ 59.8352, 64.0533,
72.1616

■ 35.4650, 44.5365,
69.6789

■ 67.0360, 69.2663,
72.7883

■ 32.6526, 41.8041,
69.2997

■ 75.0888, 74.9557,
73.4620

■ 30.4210, 39.4065,
68.9546

■ 79.6631, 78.8895,
73.9802

■ 28.7118, 37.3133,
68.6406

■ 80.7500, 81.0633,
74.3425

■ 27.4535, 35.4875,
68.3545

■ 81.8626, 83.2884,
74.7134

■ 26.9200, 34.6233,
68.2159

■ 83.0009, 85.5652,
75.0928

■ 84.1653, 87.8939,
75.4810

Harmonies

Analogous

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



46.7105, 54.9896, 62.5489



47.8634, 54.9896, 71.0422



50.2082, 54.9896, 76.8872

Triad

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



47.8634, 54.9896, 71.0422



57.9104, 54.9896, 66.0475



51.3510, 54.9896, 44.8354

Complementary

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



47.8634, 54.9896, 71.0422



48.1611, 45.4339, 39.4901

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.



54.3792, 54.9896, 45.5767



47.8634, 54.9896, 71.0422



58.2453, 54.9896, 57.2771

Square

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



47.8634, 54.9896, 71.0422



56.0324, 54.9896, 73.8151



56.9305, 54.9896, 49.9428



48.6722, 54.9896, 47.8095

Rectangle

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



47.8634, 54.9896, 71.0422



52.1713, 54.9896, 78.1952



56.9305, 54.9896, 49.9428



52.3607, 54.9896, 44.6650

Sweetspot

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



47.8650, 54.9918, 71.0435



87.7204, 94.6408, 108.2519



45.5214, 57.9547, 46.6781



18.6467, 20.1616, 23.1587



0.0000, 0.0000, 0.0000



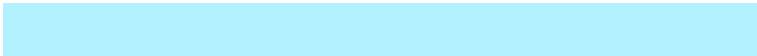
20.3446, 21.4041, 23.3091

Same Dimension

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



47.8650, 54.9918, 71.0435



67.8531, 79.4003, 106.3573



42.1879, 43.6376, 69.1511



12.5838, 13.6911, 15.9169



16.5144, 21.2906, 41.6922



1.0486, 1.3893, 2.5322

Inverse Universe

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



50.7922, 43.6008, 62.2412



73.0730, 59.6253, 90.5399



53.5756, 56.2630, 41.2950



12.8479, 12.5907, 15.1392



21.3946, 10.4941, 25.1796



1.3169, 0.6436, 1.6584

Previews

White Background



This preview shows how the XYZ color 47.8634, 54.9896, 71.0422 looks on a white background.

Color Contrast Check

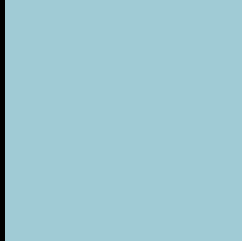
Large Text (above 18pt) WCAG AA × Fail

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 47.8634, 54.9896, 71.0422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

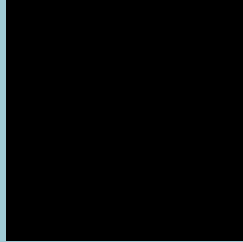
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8634, 54.9896, 71.0422

Background



This preview shows how black text looks on a background with the XYZ color 47.8634, 54.9896, 71.0422.

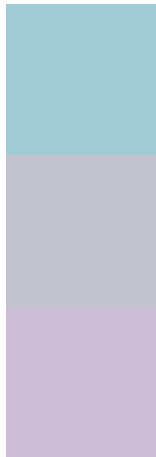


This preview shows how white text looks on a background with the XYZ color 47.8634, 54.9896,

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

47.8634, 54.9896, 71.0422

Protanopia

53.0599, 54.6907, 66.7913

Deuteranopia

55.9850, 54.7639, 72.5855



Tritanopia

48.4734, 54.8801, 74.3678

Trichromacy



Original Color

47.8634, 54.9896, 71.0422

Protanomaly

50.7663, 54.4810, 68.1618

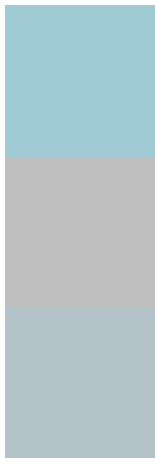
Deuteranomaly

52.7671, 54.7553, 72.0777

Tritanomaly

48.2131, 54.7760, 72.9975

Monochromacy



Original Color

47.8634, 54.9896, 71.0422

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.6463, 52.8570, 61.6713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8634, 54.9896, 71.0422 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(160, 203, 213)` looks like.

```
.text, #text, p{  
    color:rgb(160, 203, 213)  
}
```

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(160, 203, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 203, 213) }
```

Border

The CSS property to change the border of an element to XYZ 47.8634, 54.9896, 71.0422 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(160, 203, 213) }
```


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

```
.border{ border-color:rgb(160, 203, 213) }
```

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

Here you see how a box with a 4 pixel rgb(160, 203, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 203, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 203, 213);  
box-shadow:4px 4px 4px 4px rgb(160, 203,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8634, 54.9896, 71.0422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 203, 213) }
```

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

```
.background{ background-color: rgb(160,  
203, 213) }
```

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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