

Converting Colors

XYZ(49.9797, 54.6497, 70.5725)

Have a look what the booklet for
XYZ(49.9797, 54.6497, 70.5725)
contains.

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Color

**XYZ(50.1129, 54.7649,
70.8802)**

Conversions

Conversions Part 1

Format	Color
Hex	AFC7D5
RGB	175, 199, 213
RGB Percent	69%, 78%, 84%
CMY	0.3137, 0.2196, 0.1647
CMYK	0.18, 0.07, 0.00, 0.16
HSL	202°, 31%, 76%
HSV	202°, 18%, 84%
XYZ	50.1129, 54.7649, 70.8802
YIQ	193.4200, -18.7980, -0.7340

Conversions

Conversions Part 2

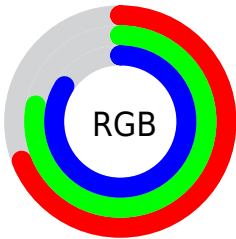
Format	Color
RYB	175, 190, 213
Decimal	11519957
CIELab	78.91, -5.15, -9.70
CIElCh	79, 10.984, 242.067
Yxy	54.7649, 0.2851, 0.3116
Android (android.graphics.Color)	4289710037 (0xFFAFC7D5)
YUV	193.4200, 9.6529, -16.1543
Hunter-Lab	74.0033, -8.6308, -4.9855

Details

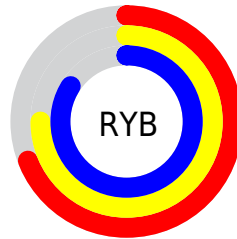
The XYZ color **50.1129, 54.7649, 70.8802** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.3766, 53.6366, 48.0984**, and the grayscale version is **50.8899, 53.5401, 58.3052**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **24.3230, 26.8570, 36.2497** is the 20% darker color. If you saturate the color by 10%, you get **43.9455, 48.9756, 70.0887**, and if you desaturate by 10%, it is **57.1307, 61.1336, 71.7405**.

Distribution



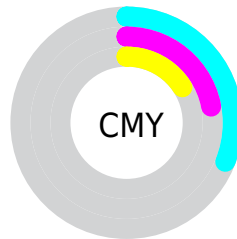
- Red (69%)
- Green (78%)
- Blue (84%)



- Red (69%)
- Yellow (75%)
- Blue (84%)



- Cyan (18%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)



- Cyan (31%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1129, 54.7649, 70.8802 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 50.1129, 54.7649, 70.8802 by changing the saturation by 10% instead.

■ 50.1129, 54.7649,
70.8802

■ 50.1129, 54.7649,
70.8802

377.5520,
405.0201, 482.5069

■ 35.7213, 39.2135,
51.7632

■ 89.5330, 97.1964,
122.1560

■ 24.3881, 26.9259,
36.4354

115.2921,
124.8453, 155.1519

■ 15.7481, 17.5176,
24.4783

145.5711,
157.2956, 193.6111

■ 9.4358, 10.6042,
15.4733

180.7354,
194.9315, 237.9523

■ 5.0859, 5.8014,
9.0020

221.1503,
238.1375, 288.5939

■ 2.3330, 2.7247,
4.6456

267.1811,

■ 0.8115, 0.9897,

287.2980, 345.9545

1.9858

319.1932,
342.7975, 410.4527

■ 0.0000, 0.0000,
0.5465

■ 0.0000, 0.0000,
0.0000

■ 50.1129, 54.7649,
70.8802

■ 50.1129, 54.7649,
70.8802

■ 43.9455, 48.9756,
70.0887

■ 57.1307, 61.1336,
71.7405

■ 38.5871, 43.7380,
69.3602

■ 65.0283, 68.0947,
72.6679

■ 33.9996, 39.0319,
68.6936

■ 73.8398, 75.6691,
73.6655

■ 30.1402, 34.8330,
68.0865

■ 81.6554, 82.8742,
74.6442

■ 26.9611, 31.1145,
67.5363

■ 83.8932, 87.3498,
75.3902

■ 24.4085, 27.8463,
67.0400

■ 86.2307, 92.0247,
76.1693

■ 22.4195, 24.9938,
66.5943

■ 88.6689, 96.9012,
76.9821

■ 20.9054, 22.5086,
66.1944

■ 89.0104, 97.5842,
77.0959

■ 20.6104, 22.0042,
66.1126

Harmonies

Analogous

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



48.5795, 54.7649, 66.2347



50.1129, 54.7649, 70.8802



52.2038, 54.7649, 72.4528

Triad

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



50.1129, 54.7649, 70.8802



56.3559, 54.7649, 59.1977



49.8580, 54.7649, 50.0217

Complementary

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



50.1129, 54.7649, 70.8802



53.3766, 53.6366, 48.0984

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.



51.9013, 54.7649, 48.4165



50.1129, 54.7649, 70.8802



55.6870, 54.7649, 53.4791

Square

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



50.1129, 54.7649, 70.8802



55.8453, 54.7649, 65.4334



54.0413, 54.7649, 49.6374



48.4352, 54.7649, 54.1797

Rectangle

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



50.1129, 54.7649, 70.8802



53.6435, 54.7649, 71.4646



54.0413, 54.7649, 49.6374



50.4930, 54.7649, 49.1793

Sweetspot

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



50.1145, 54.7672, 70.8814



89.0338, 94.7015, 108.1944



50.6526, 60.3747, 57.0911



18.8818, 20.1146, 23.1373



0.0000, 0.0000, 0.0000



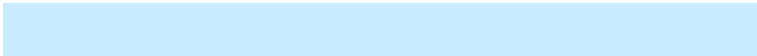
20.3446, 21.4041, 23.3091

Same Dimension

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



50.1145, 54.7672, 70.8814



72.0455, 79.2739, 106.1119



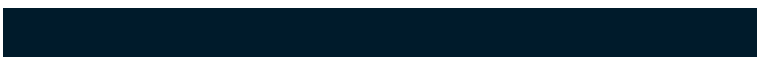
46.0253, 46.5888, 69.5184



12.3898, 13.3030, 15.8522



12.6901, 13.6420, 40.4175



0.8432, 0.9785, 2.4637

Inverse Universe

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



53.0807, 48.9309, 60.6823



77.2668, 69.2574, 88.1009



57.7190, 62.3215, 49.5458



12.7499, 12.5515, 14.6234



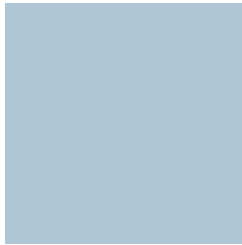
19.4642, 9.7220, 15.0146



1.2133, 0.6021, 1.1125

Previews

White Background



This preview shows how the XYZ color 50.1129, 54.7649, 70.8802 looks on a white background.

Color Contrast Check

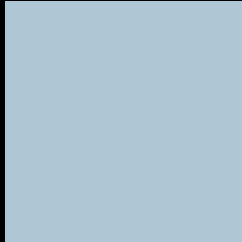
Large Text (above 18pt) WCAG AA × Fail

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 50.1129, 54.7649, 70.8802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

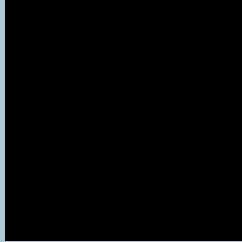
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

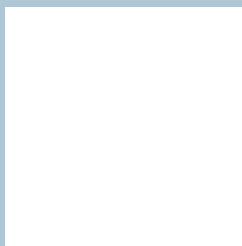
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.1129, 54.7649, 70.8802

Background



This preview shows how black text looks on a background with the XYZ color 50.1129, 54.7649, 70.8802.

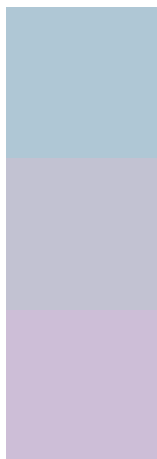


This preview shows how white text looks on a background with the XYZ color 50.1129, 54.7649,

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

50.1129, 54.7649, 70.8802

Protanopia

53.1728, 54.7061, 68.7296

Deuteranopia

55.8560, 54.7123, 71.9066



Tritanopia

50.3684, 54.8671, 72.2257

Trichromacy



Original Color

50.1129, 54.7649, 70.8802

Protanomaly

51.9913, 54.7478, 69.4552

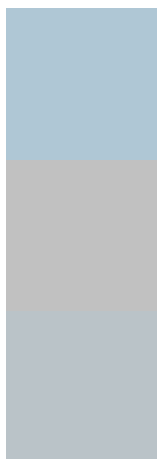
Deuteranomaly

53.4557, 54.4643, 71.3136

Tritanomaly

50.2402, 54.8158, 71.5509

Monochromacy



Original Color

50.1129, 54.7649, 70.8802

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.1901, 53.6394, 62.3517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1129, 54.7649, 70.8802 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(175, 199, 213)` looks like.

```
.text, #text, p{  
    color:rgb(175, 199, 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(175, 199, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 199, 213) }
```

Border

The CSS property to change the border of an element to XYZ 50.1129, 54.7649, 70.8802 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(175, 199, 213) }
```


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

```
.border{ border-color:rgb(175, 199, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 199, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 199, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 199, 213);  
box-shadow:4px 4px 4px 4px rgb(175, 199,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1129, 54.7649, 70.8802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 199, 213) }
```

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

```
.background{ background-color: rgb(175,  
199, 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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