

Converting Colors

XYZ(59.4586, 71.0242, 84.7292)

Have a look what the booklet for
XYZ(59.4586, 71.0242, 84.7292)
contains.

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Color

**XYZ(59.4529, 71.0214,
84.7037)**

Conversions

Conversions Part 1

Format	Color
Hex	ACE6E5
RGB	172, 230, 229
RGB Percent	67%, 90%, 90%
CMY	0.3255, 0.0980, 0.1020
CMYK	0.25, 0.00, 0.00, 0.10
HSL	179°, 54%, 79%
HSV	179°, 25%, 90%
XYZ	59.4529, 71.0214, 84.7037
YIQ	212.5440, -34.2470, -12.6070

Conversions

Conversions Part 2

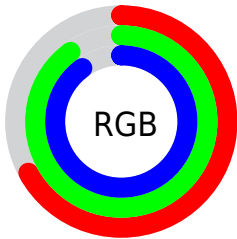
Format	Color
RYB	172, 201, 230
Decimal	11331301
CIELab	87.50, -18.49, -5.50
CIELCh	87, 19.291, 196.566
Yxy	71.0214, 0.2763, 0.3301
Android (android.graphics.Color)	4289521381 (0xFFACE6E5)
YUV	212.5440, 8.1128, -35.5571
Hunter-Lab	84.2742, -21.5535, -0.6002

Details

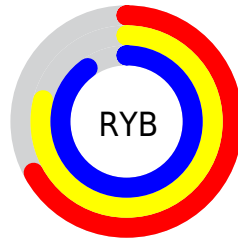
The XYZ color **59.4529, 71.0214, 84.7037** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.9310, 49.3472, 46.1678**, and the grayscale version is **62.9070, 66.1831, 72.0734**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **30.2472, 37.1796, 45.6266** is the 20% darker color. If you saturate the color by 10%, you get **54.7805, 68.6209, 84.1970**, and if you desaturate by 10%, it is **65.0032, 73.8781, 85.2552**.

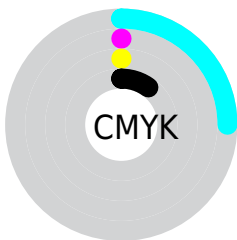
Distribution



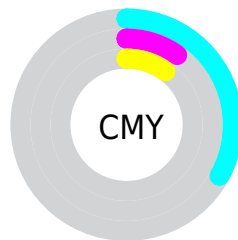
- Red (67%)
- Green (90%)
- Blue (90%)



- Red (67%)
- Yellow (79%)
- Blue (90%)



- Cyan (25%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (33%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4529, 71.0214, 84.7037 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 59.4529, 71.0214, 84.7037 by changing the saturation by 10% instead.

■ 59.4529, 71.0214,
84.7037

■ 59.4529, 71.0214,
84.7037

412.4454,
464.1282, 530.7661

■ 43.2256, 52.3597,
63.0478

■ 103.1465,
120.6642, 141.8296

■ 30.2574, 37.2918,
45.4387

131.3435,
152.4140, 178.1367

■ 20.1831, 25.4335,
31.4576

164.2610,
189.2954, 220.1647

■ 12.6373, 16.4003,
20.6862

202.2646,
231.6926, 268.3321

■ 7.2545, 9.8079,
12.7058

245.7194,
279.9901, 323.0574

■ 3.6695, 5.2718,
7.0979

294.9909,

■ 1.5169, 2.4076,

334.5723, 384.7591

3.4441

350.4445,
395.8235, 453.8558

■ 0.3373, 0.8298,
1.3256

■ 0.0000, 0.0000,
0.0826

■ 59.4529, 71.0214,
84.7037

■ 59.4529, 71.0214,
84.7037

■ 54.7805, 68.6209,
84.1970

■ 65.0032, 73.8781,
85.2552

■ 50.9347, 66.6447,
83.7281

■ 71.4670, 77.2038,
85.8486

■ 47.8687, 65.0705,
83.2964

■ 78.8853, 81.0217,
86.4873

■ 45.5283, 63.8704,
82.8993

■ 83.9043, 83.6026,
87.0144

■ 43.8524, 63.0127,
82.5339

■ 83.9604, 83.6250,
87.3099

■ 42.7698, 62.4610,
82.1970

■ 84.0167, 83.6475,
87.6061

■ 42.1934, 62.1702,
81.8845

■ 84.0731, 83.6701,
87.9030

■ 42.0293, 62.0886,
81.7404

■ 84.1296, 83.6927,
88.2005

■ 84.1862, 83.7153,
88.4987

Harmonies

Analogous

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



59.3392, 71.0214, 71.6483



59.4529, 71.0214, 84.7037



61.6600, 71.0214, 97.0100

Triad

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



59.4529, 71.0214, 84.7037



74.0648, 71.0214, 95.8872



69.5588, 71.0214, 55.4112

Complementary

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



59.4529, 71.0214, 84.7037



54.9310, 49.3472, 46.1678

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.



73.7054, 71.0214, 60.5100



59.4529, 71.0214, 84.7037



76.3848, 71.0214, 83.3048

Square

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



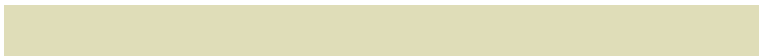
59.4529, 71.0214, 84.7037



70.0315, 71.0214, 103.9469



76.2504, 71.0214, 70.3976



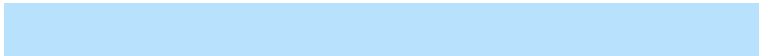
65.0375, 71.0214, 55.6957

Rectangle

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



59.4529, 71.0214, 84.7037



64.0805, 71.0214, 102.7001



76.2504, 71.0214, 70.3976



71.0468, 71.0214, 56.5255

Sweetspot

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



59.4550, 71.0243, 84.7053



87.8823, 96.3115, 108.2684



53.1860, 68.5661, 49.4625



18.5405, 20.4757, 23.1494



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.



59.4550, 71.0243, 84.7053



72.0728, 88.1793, 106.7169



52.6385, 57.1665, 83.1261



14.7961, 16.3319, 18.4572



23.7986, 35.1516, 46.3014



1.7621, 2.5990, 3.4398

Inverse Universe

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



54.9310, 49.3472, 46.1678



65.4802, 56.5882, 50.5568



60.5208, 60.6815, 47.5540



14.3871, 14.3720, 14.9727



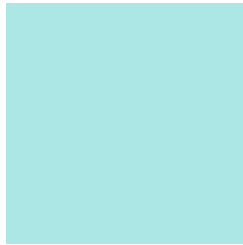
18.4920, 9.5310, 0.9537



1.3701, 0.7057, 0.0893

Previews

White Background



This preview shows how the XYZ color 59.4529, 71.0214, 84.7037 looks on a white background.

Color Contrast Check

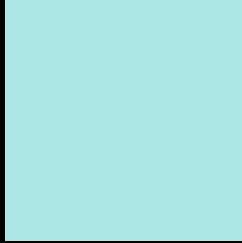
Large Text (above 18pt) WCAG AA × Fail

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 59.4529, 71.0214, 84.7037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

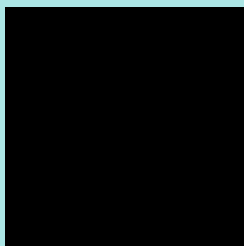
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

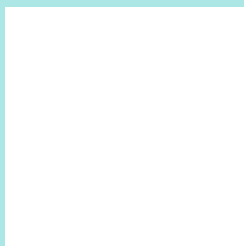
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.4529, 71.0214, 84.7037

Background



This preview shows how black text looks on a background with the XYZ color 59.4529, 71.0214, 84.7037.

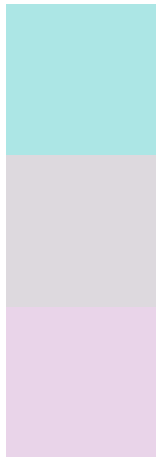


This preview shows how white text looks on a background with the XYZ color 59.4529, 71.0214,

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

59.4529, 71.0214, 84.7037

Protanopia

67.8165, 70.2718, 79.0967

Deuteranopia

71.8557, 70.2938, 86.8716



Tritanopia

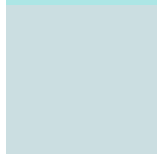
62.0081, 70.8221, 97.5906

Trichromacy



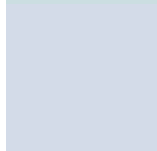
Original Color

59.4529, 71.0214, 84.7037



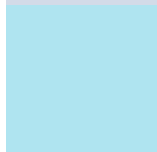
Protanomaly

64.3405, 70.3753, 81.4268



Deuteranomaly

66.7610, 70.3381, 86.4019



Tritanomaly

61.1508, 70.8920, 92.8986

Monochromacy



Original Color

59.4529, 71.0214, 84.7037



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

61.4064, 67.7833, 76.8649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.4529, 71.0214, 84.7037 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(172, 230, 229)` looks like.

```
.text, #text, p{  
    color:rgb(172, 230, 229)  
}
```

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(172, 230, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 230, 229) }
```

Border

The CSS property to change the border of an element to XYZ 59.4529, 71.0214, 84.7037 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(172, 230, 229) }
```


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

```
.border{ border-color:rgb(172, 230, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 230, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 230, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 230, 229);  
box-shadow:4px 4px 4px 4px rgb(172, 230,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 59.4529, 71.0214, 84.7037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 230, 229) }
```

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

```
.background{ background-color: rgb(172,  
230, 229) }
```

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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