

Converting Colors

XYZ(48.9394, 65.0848, 43.8970)

Have a look what the booklet for
XYZ(48.9394, 65.0848, 43.8970)
contains.

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Color

**XYZ(49.0064, 65.2979,
43.7391)**

Conversions

Conversions Part 1

Format	Color
Hex	A3E3A1
RGB	163, 227, 161
RGB Percent	64%, 89%, 63%
CMY	0.3608, 0.1098, 0.3686
CMYK	0.28, 0.00, 0.29, 0.11
HSL	118°, 54%, 76%
HSV	118°, 29%, 89%
XYZ	49.0064, 65.2979, 43.7391
YIQ	200.3400, -16.9580, -34.0940

Conversions

Conversions Part 2

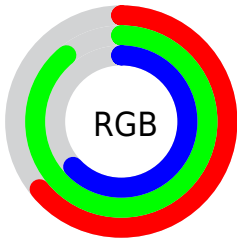
Format	Color
RYB	161, 227, 225
Decimal	10740641
CIELab	84.64, -32.84, 25.94
CIELCh	85, 41.854, 141.697
Yxy	65.2979, 0.3101, 0.4132
Android (android.graphics.Color)	4288930721 (0xFFA3E3A1)
YUV	200.3400, -19.3946, -32.7472
Hunter-Lab	80.8071, -33.1591, 24.4726

Details

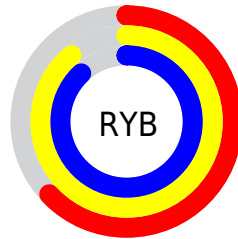
The XYZ color **49.0064, 65.2979, 43.7391** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **57.6641, 47.0453, 78.7178**, and the grayscale version is **55.2341, 58.1106, 63.2824**.

A 20% lighter version of the original color is **77.3681, 91.5379, 78.5566**, and **23.6299, 33.4812, 19.6851** is the 20% darker color. If you saturate the color by 10%, you get **43.0622, 62.4461, 33.9432**, and if you desaturate by 10%, it is **56.1020, 68.7050, 55.4887**.

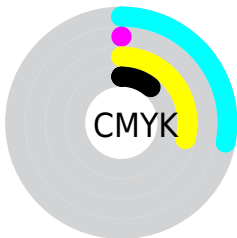
Distribution



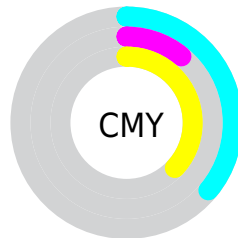
- Red (64%)
- Green (89%)
- Blue (63%)



- Red (63%)
- Yellow (89%)
- Blue (88%)



- Cyan (28%)
- Magenta (0%)
- Yellow (29%)
- Black (11%)





- Cyan (36%)
- Magenta (11%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0064, 65.2979, 43.7391 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 49.0064, 65.2979, 43.7391 by changing the saturation by 10% instead.


 49.0064, 65.2979,
43.7391


 49.0064, 65.2979,
43.7391


373.2841,
443.8617, 377.6527

 34.8391, 47.7027,
30.1298


 87.9016, 112.4780,
82.1233

 23.7049, 33.5915,
19.6842


 113.3603,
142.8317, 107.7352

 15.2384, 22.5799,
11.9839


143.3134,
178.2071, 138.1851

 9.0743, 14.2837,
6.6103

178.1264,
218.9884, 173.8915

 4.8472, 8.3182,
3.1449

218.1646,
265.5601, 215.2729

 2.1917, 4.2992,
1.1691

263.7934,

 0.7384, 1.8423,

318.3067, 262.7479

0.0000

315.3781,
377.6124, 316.7350

0.0000, 0.5133,
0.0000

0.0000, 0.0000,
0.0000

49.0064, 65.2979,
43.7391

49.0064, 65.2979,
43.7391

43.0622, 62.4461,
33.9432

56.1020, 68.7050,
55.4887

38.2040, 60.1126,
25.9910

64.3997, 72.6859,
69.2852

34.3675, 58.2686,
19.7685

73.9536, 77.2683,
85.2211

31.4799, 56.8793,
15.1472

84.8128, 82.4757,
103.3821

■ 29.4585, 55.9052,
11.9807

■ 86.7604, 83.4207,
106.1368

■ 28.2064, 55.3002,
10.0958

■ 27.5934, 55.0028,
9.2226

■ 27.5564, 54.9851,
9.1608

Harmonies

Analogous

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



55.6562, 65.2979, 33.2075



49.0064, 65.2979, 43.7391



45.9304, 65.2979, 63.9246

Triad

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



49.0064, 65.2979, 43.7391



59.5055, 65.2979, 135.1272



80.2968, 65.2979, 53.7230

Complementary

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



49.0064, 65.2979, 43.7391



57.6641, 47.0453, 78.7178

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.



81.5914, 65.2979, 78.7895



49.0064, 65.2979, 43.7391



68.9451, 65.2979, 130.4173

Square

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



49.0064, 65.2979, 43.7391



51.5815, 65.2979, 119.5982



77.2559, 65.2979, 107.9929



73.8777, 65.2979, 37.8837

Rectangle

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



49.0064, 65.2979, 43.7391



46.0818, 65.2979, 82.0478



77.2559, 65.2979, 107.9929



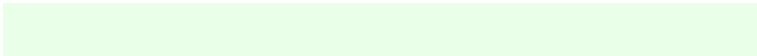
81.3698, 65.2979, 61.1691

Sweetspot

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



49.0081, 65.3007, 43.7405



83.8537, 94.6298, 90.2270



64.9857, 72.6498, 44.3169



17.5880, 20.0819, 18.7126



0.0000, 0.0000, 0.0000



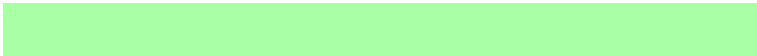
20.3446, 21.4041, 23.3091

Same Dimension

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



49.0081, 65.3007, 43.7405



58.8651, 82.6387, 48.8046



51.6614, 66.3151, 59.8323



14.2295, 16.1098, 15.2640



16.0877, 32.0750, 5.3432



1.2032, 2.3776, 0.3955

Inverse Universe

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



57.6641, 47.0453, 78.7178



71.8933, 55.1525, 101.4641



54.4123, 45.8170, 58.3218



14.9497, 14.5918, 18.1729



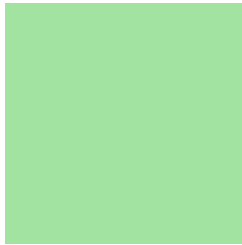
25.3405, 12.1294, 43.3888



1.8862, 0.9034, 3.2069

Previews

White Background



This preview shows how the XYZ color 49.0064, 65.2979, 43.7391 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 49.0064, 65.2979, 43.7391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

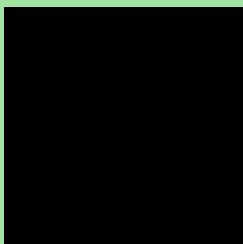
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

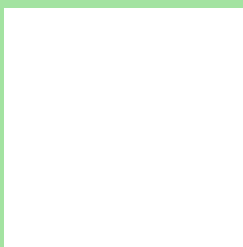
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0064, 65.2979, 43.7391

Background



This preview shows how black text looks on a background with the XYZ color 49.0064, 65.2979, 43.7391.



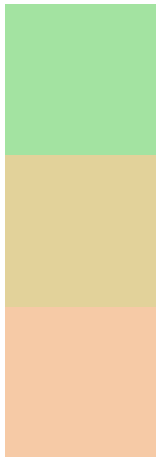
This preview shows how white text looks on a background with the XYZ color 49.0064, 65.2979,

43.7391.

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
49.0064, 65.2979, 43.7391
Protanopia
60.2434, 64.5950, 39.8648
Deuteranopia
66.0095, 64.5871, 45.0639



Tritanopia

57.9713, 65.3711, 88.1597

Trichromacy



Original Color

49.0064, 65.2979, 43.7391

Protanomaly

55.2703, 64.2426, 41.3853

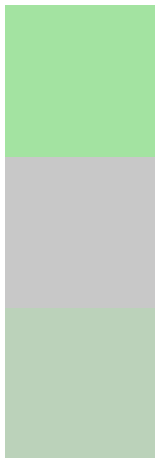
Deuteranomaly

58.3140, 63.8678, 44.3762

Tritanomaly

54.0362, 64.9249, 69.3583

Monochromacy



Original Color

49.0064, 65.2979, 43.7391

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

52.4030, 60.2032, 55.3128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0064, 65.2979, 43.7391 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(163, 227, 161)` looks like.

```
.text, #text, p{  
    color:rgb(163, 227, 161)  
}
```

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(163, 227, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 227, 161) }
```

Border

The CSS property to change the border of an element to XYZ 49.0064, 65.2979, 43.7391 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(163, 227, 161) }
```


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

```
.border{ border-color:rgb(163, 227, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 227, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 227, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 227, 161);  
box-shadow:4px 4px 4px 4px rgb(163, 227,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0064, 65.2979, 43.7391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 227, 161) }
```

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

```
.background{ background-color: rgb(163,  
227, 161) }
```

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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