

# Converting Colors

XYZ(64.9306, 74.1956, 56.2042)

Have a look what the booklet for  
XYZ(64.9306, 74.1956, 56.2042)  
contains.

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# Color

**XYZ(64.9899, 74.0982,  
56.2245)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8E5B8
RGB	216, 229, 184
RGB Percent	85%, 90%, 72%
CMY	0.1529, 0.1019, 0.2784
CMYK	0.06, 0.00, 0.20, 0.10
HSL	77°, 46%, 81%
HSV	77°, 20%, 90%
XYZ	64.9899, 74.0982, 56.2245
YIQ	219.9830, 6.6970, -16.7510

# Conversions

## Conversions Part 2

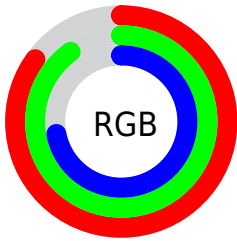
Format	Color
<a href="#">RYB</a>	<a href="#">184, 229, 197</a>
Decimal	<a href="#">14214584</a>
CIELab	<a href="#">88.97, -11.96, 20.53</a>
CIElCh	<a href="#">89, 23.756, 120.226</a>
Yxy	<a href="#">74.0982, 0.3327, 0.3794</a>
Android (android.graphics.Color)	<a href="#">4292404664</a> ( <a href="#">0xFFD8E5B8</a> )
YUV	<a href="#">219.9830, -17.7396, -3.4931</a>
Hunter-Lab	<a href="#">86.0803, -15.8746, 21.5302</a>

# Details

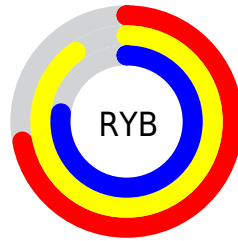
The XYZ color **64.9899, 74.0982, 56.2245** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **54.3123, 51.8105, 81.2706**, and the grayscale version is **68.1339, 71.6822, 78.0619**.

A 20% lighter version of the original color is **92.7282, 99.0713, 96.6734**, and **33.9307, 39.4879, 27.3063** is the 20% darker color. If you saturate the color by 10%, you get **60.8658, 72.2297, 44.4989**, and if you desaturate by 10%, it is **69.5853, 76.1693, 70.0037**.

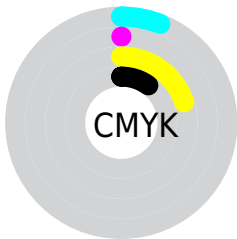
# Distribution



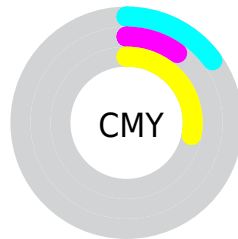
- Red (85%)
- Green (90%)
- Blue (72%)



- Red (72%)
- Yellow (90%)
- Blue (77%)



- Cyan (6%)
- Magenta (0%)
- Yellow (20%)
- Black (10%)




- Cyan (15%)
- Magenta (10%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9899, 74.0982, 56.2245 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 64.9899, 74.0982, 56.2245 by changing the saturation by 10% instead.





 64.9899, 74.0982,  
56.2245

 64.9899, 74.0982,  
56.2245


432.3015,  
474.8122, 427.9491

 47.7176, 54.8744,  
39.9777


 111.1011,  
125.0350, 100.8218

 33.8136, 39.3012,  
27.2075


140.6707,  
157.5168, 130.0094

 22.9126, 26.9941,  
17.4953


175.0701,  
195.1868, 164.3478

 14.6494, 17.5688,  
10.4226

214.6647,  
238.4292, 204.2554

 8.6584, 10.6409,  
5.5708

259.8197,  
287.6286, 250.1508

 4.5743, 5.8259,  
2.5214

310.9006,

 2.0319, 2.7395,

343.1693, 302.4525

0.8514

368.2728,  
405.4357, 361.5791

■ 0.6518, 0.9973,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.9899, 74.0982,  
56.2245

■ 64.9899, 74.0982,  
56.2245

■ 60.8658, 72.2297,  
44.4989

■ 69.5853, 76.1693,  
70.0037

■ 57.1876, 70.5460,  
34.7237

■ 74.6646, 78.4406,  
85.9233

■ 53.9360, 69.0419,  
26.7941

■ 80.2468, 80.9224,  
104.0713

■ 51.0881, 67.7081,  
20.5934

■ 82.8508, 82.2224,  
106.1115

■ 48.6181, 66.5341,  
15.9917

■ 85.1695, 83.4177,  
106.2201

■ 46.4970, 65.5081,  
12.8408

■ 87.3108, 84.5216,  
106.3203

■ 44.6904, 64.6164,  
10.9646

■ 43.1416, 63.8362,  
10.0707

■ 43.0900, 63.8101,  
10.0455

# Harmonies

## Analogous

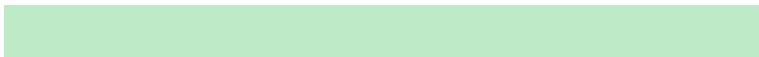
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.3844, 74.0982, 52.8975



64.9899, 74.0982, 56.2245



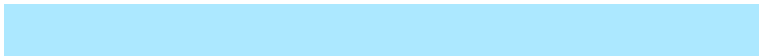
61.2313, 74.0982, 65.9094

# Triad

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



64.9899, 74.0982, 56.2245



65.0616, 74.0982, 111.5183



82.1141, 74.0982, 80.5553

# Complementary

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



64.9899, 74.0982, 56.2245



54.3123, 51.8105, 81.2706

# Split Complementary

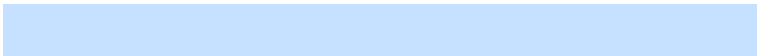
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5026, 74.0982, 97.5081



64.9899, 74.0982, 56.2245



70.4718, 74.0982, 116.8037

# Square

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



64.9899, 74.0982, 56.2245



61.2711, 74.0982, 97.7541



76.1615, 74.0982, 111.3632



80.4549, 74.0982, 65.7202



# Rectangle

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



64.9899, 74.0982, 56.2245



60.0516, 74.0982, 75.4059



76.1615, 74.0982, 111.3632



81.9360, 74.0982, 86.1951

# Sweetspot

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



64.9919, 74.1014, 56.2261



91.0757, 98.2245, 96.3636



60.8770, 59.9401, 53.7096



19.4043, 20.9840, 20.3468



0.0000, 0.0000, 0.0000

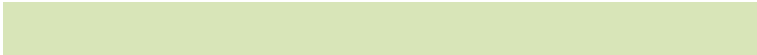


20.3446, 21.4041, 23.3091

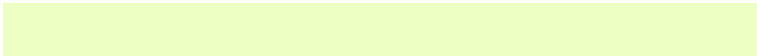


# Same Dimension

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



64.9919, 74.1014, 56.2261



80.5054, 93.4648, 64.7187



58.8575, 70.9391, 55.9390



15.1746, 16.5971, 15.3082



24.7603, 36.5459, 5.7491



1.9206, 2.7475, 0.4291



# Inverse Universe

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



54.3123, 51.8105, 81.2706



64.3005, 59.6353, 102.7295



60.5746, 55.0389, 81.5637



13.9721, 14.0879, 18.1272



9.4809, 3.9535, 42.6466

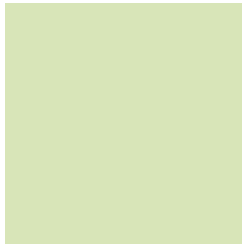


0.7903, 0.3384, 3.1556



# Previews

## White Background



This preview shows how the XYZ color 64.9899, 74.0982, 56.2245 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

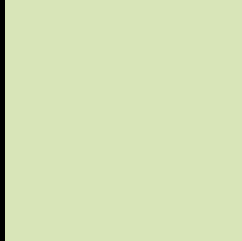
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.9899, 74.0982, 56.2245 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

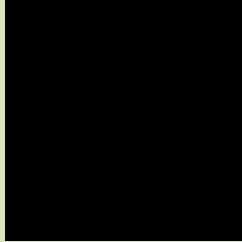
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

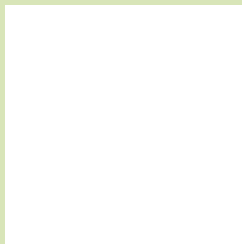
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.9899, 74.0982, 56.2245**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.9899, 74.0982, 56.2245.



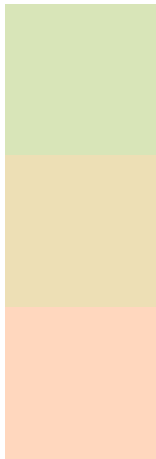
This preview shows how white text looks on a background with the XYZ color 64.9899, 74.0982,



# 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

64.9899, 74.0982, 56.2245

### Protanopia

69.6532, 74.1161, 54.3508

### Deuteranopia

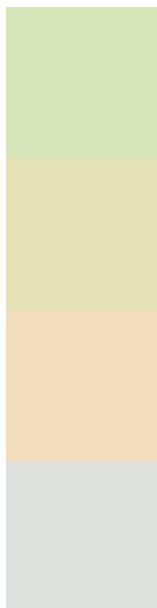
74.8347, 73.5786, 58.9731



## **Tritanopia**

72.1769, 73.7922, 92.1005

# Trichromacy



## Original Color

64.9899, 74.0982, 56.2245

## Protanomaly

67.6818, 73.8858, 54.9501

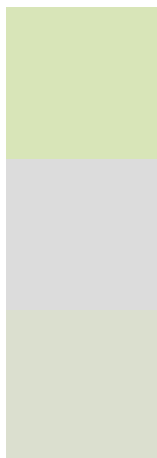
## Deuteranomaly

70.9459, 73.5180, 58.0281

## Tritanomaly

69.2606, 73.7979, 77.6118

# Monochromacy



## Original Color

64.9899, 74.0982, 56.2245

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

66.8636, 72.3404, 69.4705

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.9899, 74.0982, 56.2245 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(216, 229, 184)` looks like.

```
.text, #text, p{  
    color:rgb(216, 229, 184)  
}
```

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(216, 229, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 229, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 64.9899, 74.0982, 56.2245 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(216, 229, 184) }
```



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

```
.border{ border-color:rgb(216, 229, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 229, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 229, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 229, 184);  
box-shadow:4px 4px 4px 4px rgb(216, 229,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.9899, 74.0982, 56.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 229, 184) }
```

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

```
.background{ background-color: rgb(216,  
229, 184) }
```

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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