

Converting Colors

XYZ(59.8086, 74.1647, 44.4081)

Have a look what the booklet for
XYZ(59.8086, 74.1647, 44.4081)
contains.

XYZ(59.8729, 74.2341, 44.4307)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(59.8729, 74.2341,
44.4307)**

Conversions

Conversions Part 1

Format	Color
Hex	C8EBA0
RGB	200, 235, 160
RGB Percent	78%, 92%, 63%
CMY	0.2157, 0.0784, 0.3725
CMYK	0.15, 0.00, 0.32, 0.08
HSL	88°, 65%, 77%
HSV	88°, 32%, 92%
XYZ	59.8729, 74.2341, 44.4307
YIQ	215.9850, 3.2150, -30.7450

Conversions

Conversions Part 2

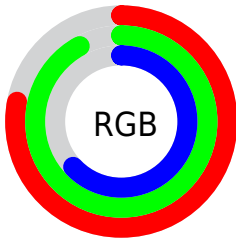
Format	Color
RYB	160, 235, 195
Decimal	13167520
CIELab	89.03, -24.11, 32.75
CIElCh	89, 40.667, 126.366
Yxy	74.2341, 0.3354, 0.4158
Android (android.graphics.Color)	4291357600 (0xFFC8EBA0)
YUV	215.9850, -27.6006, -14.0188
Hunter-Lab	86.1592, -26.7372, 29.7367

Details

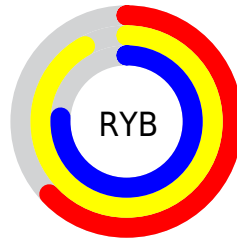
The XYZ color **59.8729, 74.2341, 44.4307** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.0750, 42.7440, 84.2126**, and the grayscale version is **65.4423, 68.8504, 74.9780**.

A 20% lighter version of the original color is **89.2657, 97.6863, 78.4405**, and **30.5039, 39.3427, 20.1735** is the 20% darker color. If you saturate the color by 10%, you get **55.1839, 72.0346, 34.4756**, and if you desaturate by 10%, it is **65.1645, 76.7039, 56.4455**.

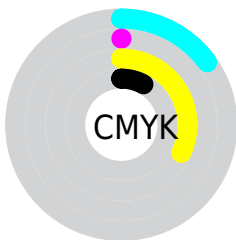
Distribution



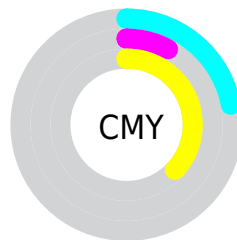
- Red (78%)
- Green (92%)
- Blue (63%)



- Red (63%)
- Yellow (92%)
- Blue (76%)



- Cyan (15%)
- Magenta (0%)
- Yellow (32%)
- Black (8%)





- Cyan (22%)
- Magenta (8%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.8729, 74.2341, 44.4307 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 59.8729, 74.2341, 44.4307 by changing the saturation by 10% instead.


 59.8729, 74.2341,
44.4307


 59.8729, 74.2341,
44.4307


413.9714,
475.2809, 380.5556

 43.5653, 54.9857,
30.6696


 103.7527,
125.2276, 83.1748

 30.5253, 39.3902,
20.0910


 132.0555,
157.7415, 108.9949

 20.3877, 27.0634,
12.2765


165.0875,
195.4459, 139.6717

 12.7871, 17.6209,
6.8074

203.2139,
238.7254, 175.6238

 7.3581, 10.6781,
3.2654

246.8001,
287.9642, 217.2697

 3.7353, 5.8508,
1.2317


296.2116,


 1.5535, 2.7546,


343.5468, 265.0279


0.0048


351.8135,
405.8576, 319.3171


 0.3618, 1.0050,
0.0000


 0.0000, 0.0000,
0.0000


 59.8729, 74.2341,
44.4307


 59.8729, 74.2341,
44.4307


 55.1839, 72.0346,
34.4756


 65.1645, 76.7039,
56.4455


 51.0655, 70.0847,
26.4594

 71.0776, 79.4445,
70.6218

 47.4909, 68.3755,
20.2566

 77.6368, 82.4689,
87.0607

 44.4284, 66.8938,
15.7245

 84.8640, 85.7861,
105.8553

■ 41.8421, 65.6249,
12.6992

■ 88.9413, 87.8696,
106.8806

■ 39.6896, 64.5509,
10.9838

■ 88.9999, 87.8998,
106.8833

■ 38.2149, 63.8043,
10.3013

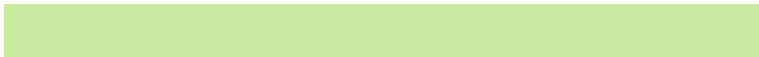
Harmonies

Analogous

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



68.4698, 74.2341, 37.8896



59.8729, 74.2341, 44.4307



54.5323, 74.2341, 60.9046

Triad

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



59.8729, 74.2341, 44.4307



63.2061, 74.2341, 141.6827



91.1911, 74.2341, 74.9392

Complementary

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



59.8729, 74.2341, 44.4307



50.0750, 42.7440, 84.2126

Split Complementary

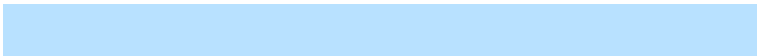
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.4492, 74.2341, 104.6826



59.8729, 74.2341, 44.4307



72.6867, 74.2341, 147.9238

Square

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



59.8729, 74.2341, 44.4307



56.3273, 74.2341, 117.6071



82.4427, 74.2341, 133.0845



87.0022, 74.2341, 52.6484

Rectangle

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



59.8729, 74.2341, 44.4307



53.2319, 74.2341, 77.4261



82.4427, 74.2341, 133.0845



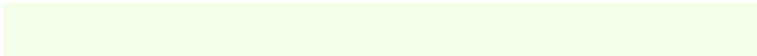
91.2849, 74.2341, 84.3288

Sweetspot

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



59.8748, 74.2373, 44.4323



86.9690, 96.2774, 88.4949



60.1241, 59.2332, 41.5231



18.3855, 20.5013, 18.3758



0.0000, 0.0000, 0.0000



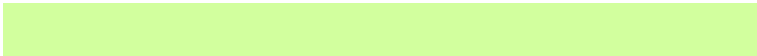
20.3446, 21.4041, 23.3091

Same Dimension

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



59.8748, 74.2373, 44.4323



68.4546, 87.6608, 45.7052



51.0578, 69.6920, 44.0197



15.6354, 17.2576, 16.0257



21.4161, 35.5849, 5.7398



1.7926, 2.8514, 0.4559

Inverse Universe

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



50.0750, 42.7440, 84.2126



55.0110, 44.4500, 100.2881



61.0104, 48.3814, 84.7243



14.8995, 14.8935, 19.0117



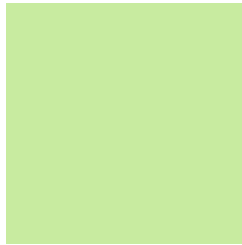
12.0466, 5.2462, 44.1206



1.0561, 0.4687, 3.4697

Previews

White Background



This preview shows how the XYZ color 59.8729, 74.2341, 44.4307 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 59.8729, 74.2341, 44.4307 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

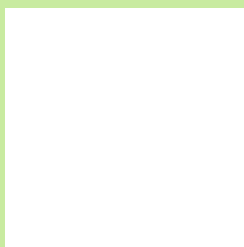
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.8729, 74.2341, 44.4307

Background



This preview shows how black text looks on a background with the XYZ color 59.8729, 74.2341, 44.4307.

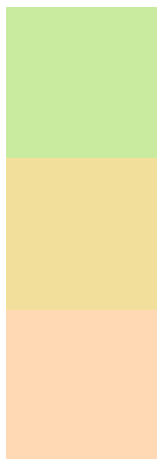


This preview shows how white text looks on a background with the XYZ color 59.8729, 74.2341,

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

59.8729, 74.2341, 44.4307

Protanopia

68.5797, 73.8427, 41.6489

Deuteranopia

74.0341, 73.6670, 53.4972



Tritanopia

70.1036, 74.2583, 94.6428

Trichromacy



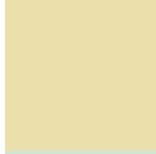
Original Color

59.8729, 74.2341, 44.4307



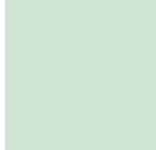
Protanomaly

64.9189, 73.5412, 42.6716



Deuteranomaly

68.1915, 73.4547, 50.1193



Tritanomaly

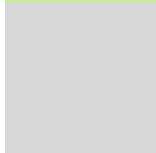
65.9154, 74.2020, 73.1357

Monochromacy



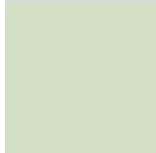
Original Color

59.8729, 74.2341, 44.4307



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

62.9298, 70.4625, 62.5084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8729, 74.2341, 44.4307 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(200, 235, 160)` looks like.

```
.text, #text, p{  
    color:rgb(200, 235, 160)  
}
```

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(200, 235, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 235, 160) }
```

Border

The CSS property to change the border of an element to XYZ 59.8729, 74.2341, 44.4307 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(200, 235, 160) }
```


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

```
.border{ border-color:rgb(200, 235, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 235, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 235, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 235, 160);  
box-shadow:4px 4px 4px 4px rgb(200, 235,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8729, 74.2341, 44.4307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 235, 160) }
```

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

```
.background{ background-color: rgb(200,  
235, 160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor