

Converting Colors

XYZ(59.9312, 74.4936, 14.8344)

Have a look what the booklet for
XYZ(59.9312, 74.4936, 14.8344)
contains.

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Color

**XYZ(59.9312, 74.4936,
14.8344)**

Conversions

Conversions Part 1

Format	Color
Hex	DDEA37
RGB	221, 234, 55
RGB Percent	87%, 92%, 22%
CMY	0.1333, 0.0823, 0.7843
CMYK	0.06, 0.00, 0.76, 0.08
HSL	64°, 81%, 57%
HSV	64°, 76%, 92%
XYZ	59.9312, 74.4936, 14.8344
YIQ	209.7070, 49.7110, -58.4250

Conversions

Conversions Part 2

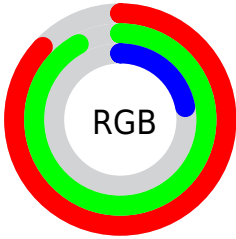
Format	Color
RYB	55, 234, 68
Decimal	14543415
CIELab	89.16, -24.50, 78.39
CIELCh	89, 82.130, 107.357
Yxy	74.4936, 0.4015, 0.4991
Android (android.graphics.Color)	4292733495 (0xFFDDEA37)
YUV	209.7070, -76.2706, 9.9040
Hunter-Lab	86.3097, -27.0962, 50.2264

Details

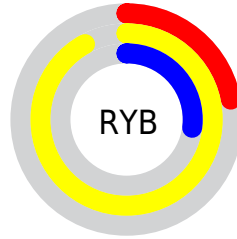
The XYZ color **59.9312, 74.4936, 14.8344** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **18.6036, 9.9034, 78.7775**, and the grayscale version is **61.5300, 64.7343, 70.4957**.

A 20% lighter version of the original color is **80.1524, 94.0410, 30.4502**, and **30.8207, 39.5222, 6.0041** is the 20% darker color. If you saturate the color by 10%, you get **58.9834, 74.0577, 12.5245**, and if you desaturate by 10%, it is **61.1534, 75.0453, 18.5468**.

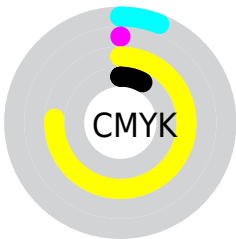
Distribution



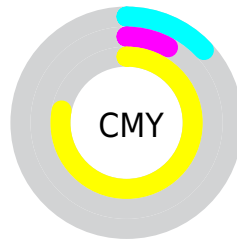
- Red (87%)
- Green (92%)
- Blue (22%)



- Red (22%)
- Yellow (92%)
- Blue (27%)



- Cyan (6%)
- Magenta (0%)
- Yellow (76%)
- Black (8%)





- Cyan (13%)
- Magenta (8%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9312, 74.4936, 14.8344 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 59.9312, 74.4936, 14.8344 by changing the saturation by 10% instead.


 59.9312, 74.4936,
14.8344


 59.9312, 74.4936,
14.8344


414.1829,
476.1752, 233.9678

 43.6124, 55.1981,
8.5579


 103.8368,
125.5953, 35.3006


 30.5625, 39.5604,
4.3611


 132.1543,
158.1703, 50.3274


 20.4161, 27.1959,
1.8255


 165.2021,
195.9405, 69.1080

 12.8079, 17.7204,
0.4447

 203.3455,
239.2905, 92.0610

 7.3725, 10.7495,
0.0000

 246.9500,
288.6046, 119.6050

 3.7445, 5.8986,
0.0000

296.3808,

 1.5586, 2.7835,

344.2671, 152.1584

0.0000

352.0033,
406.6625, 190.1399

■ 0.3652, 1.0198,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.9312, 74.4936,
14.8344

■ 59.9312, 74.4936,
14.8344

■ 58.9834, 74.0577,
12.5245

■ 61.1534, 75.0453,
18.5468

■ 58.2630, 73.7107,
11.3924

■ 62.6780, 75.7159,
23.8318

■ 58.0405, 73.6011,
11.1474

■ 64.5352, 76.5201,
30.8407

■ 66.7500, 77.4680,
39.7055

69.3452, 78.5686,
50.5454

72.3415, 79.8303,
63.4698

75.7582, 81.2608,
78.5800

79.6133, 82.8672,
95.9706

82.1672, 83.9538,
106.4818

Harmonies

Analogous

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



79.5667, 74.4936, 14.0911



59.9312, 74.4936, 14.8344



46.0979, 74.4936, 27.0094

Triad

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



59.9312, 74.4936, 14.8344



47.8000, 74.4936, 192.2146



115.3911, 74.4936, 107.7086

Complementary

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



59.9312, 74.4936, 14.8344



18.6036, 9.9034, 78.7775

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.



103.0574, 74.4936, 181.0426



59.9312, 74.4936, 14.8344



62.7093, 74.4936, 243.2144

Square

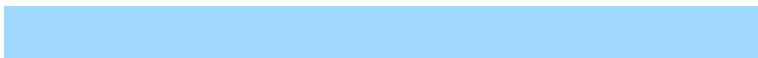
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



59.9312, 74.4936, 14.8344



40.0548, 74.4936, 118.6393



82.9180, 74.4936, 238.3673



114.2601, 74.4936, 52.4704

Rectangle

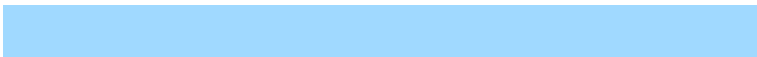
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.9312, 74.4936, 14.8344



40.8910, 74.4936, 45.6446



82.9180, 74.4936, 238.3673



112.5979, 74.4936, 131.3791

Sweetspot

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



59.9329, 74.4970, 14.8359



85.4531, 95.9821, 66.4562



36.6271, 21.7766, 5.8882



18.0209, 20.4303, 13.0731



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.



59.9329, 74.4970, 14.8359



71.1340, 89.7410, 14.2532



39.7200, 64.0769, 13.8900



16.2376, 17.5680, 16.0539



32.6600, 41.3813, 6.2660



2.5970, 3.2661, 0.4935

Inverse Universe

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



18.6036, 9.9034, 78.7775



19.0864, 8.1362, 95.1722



30.0143, 15.7858, 79.3115



14.3326, 14.6012, 18.9852



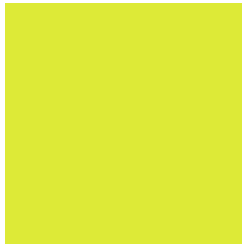
8.5139, 3.4250, 43.9553



0.7040, 0.2872, 3.4532

Previews

White Background



This preview shows how the XYZ color 59.9312, 74.4936, 14.8344 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 59.9312, 74.4936, 14.8344 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 59.9312, 74.4936, 14.8344

Background



This preview shows how black text looks on a background with the XYZ color 59.9312, 74.4936, 14.8344.



This preview shows how white text looks on a background with the XYZ color 59.9312, 74.4936,

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

59.9312, 74.4936, 14.8344

Protanopia

67.0591, 74.0685, 14.0111

Deuteranopia

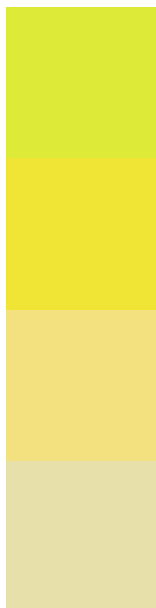
73.1943, 74.1560, 46.5322



Tritanopia

74.9919, 74.1455, 88.9563

Trichromacy



Original Color

59.9312, 74.4936, 14.8344

Protanomaly

64.3212, 74.2691, 14.3134

Deuteranomaly

67.3837, 73.8724, 30.4460

Tritanomaly

66.8664, 73.2025, 48.6355

Monochromacy



Original Color

59.9312, 74.4936, 14.8344

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

58.8958, 67.2923, 40.4564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9312, 74.4936, 14.8344 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(221, 234, 55)` looks like.

```
.text, #text, p{  
    color:rgb(221, 234, 55)  
}
```

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(221, 234, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 234, 55) }
```

Border

The CSS property to change the border of an element to XYZ 59.9312, 74.4936, 14.8344 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(221, 234, 55) }
```


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

```
.border{ border-color:rgb(221, 234, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 234, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 234, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 234, 55);  
box-shadow:4px 4px 4px 4px rgb(221, 234,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9312, 74.4936, 14.8344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 234, 55) }
```

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

```
.background{ background-color: rgb(221,  
234, 55) }
```

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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