

Converting Colors

XYZ(41.6185, 59.3479, 13.3632)

Have a look what the booklet for
XYZ(41.6185, 59.3479, 13.3632)
contains.

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Color

**XYZ(41.6925, 59.3947,
13.4046)**

Conversions

Conversions Part 1

Format	Color
Hex	A4DC3B
RGB	164, 220, 59
RGB Percent	64%, 86%, 23%
CMY	0.3569, 0.1372, 0.7686
CMYK	0.25, 0.00, 0.73, 0.14
HSL	81°, 70%, 55%
HSV	81°, 73%, 86%
XYZ	41.6925, 59.3947, 13.4046
YIQ	184.9020, 18.3050, -61.9430

Conversions

Conversions Part 2

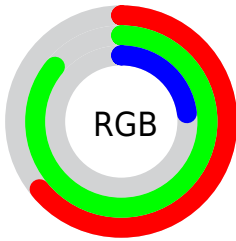
Format	Color
R_{YB}	59, 220, 115
Decimal	10804283
CIE _{Lab}	81.51, -40.39, 68.62
CIE _{LCh}	82, 79.626, 120.478
Yxy	59.3947, 0.3642, 0.5188
Android (android.graphics.Color)	4288994363 (0xFFA4DC3B)
YUV	184.9020, -62.0697, -18.3311
Hunter-Lab	77.0680, -38.3034, 43.6351

Details

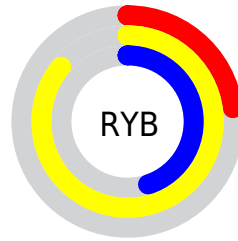
The XYZ color **41.6925, 59.3947, 13.4046** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **21.5550, 11.9418, 68.8825**, and the grayscale version is **46.3884, 48.8042, 53.1478**.

A 20% lighter version of the original color is **69.4023, 88.4923, 30.2525**, and **19.5185, 30.0361, 4.7688** is the 20% darker color. If you saturate the color by 10%, you get **39.7060, 58.4252, 10.9352**, and if you desaturate by 10%, it is **44.0171, 60.5146, 17.1465**.

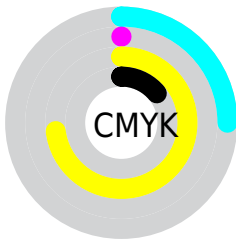
Distribution



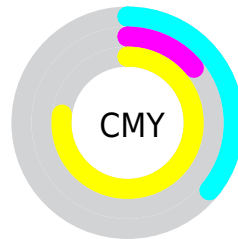
- Red (64%)
- Green (86%)
- Blue (23%)



- Red (23%)
- Yellow (86%)
- Blue (45%)



- Cyan (25%)
- Magenta (0%)
- Yellow (73%)
- Black (14%)



- Cyan (36%)
- Magenta (14%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6925, 59.3947, 13.4046 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 41.6925, 59.3947, 13.4046 by changing the saturation by 10% instead.

■ 41.6925, 59.3947,
13.4046

■ 41.6925, 59.3947,
13.4046

344.2200,
422.3630, 224.7928

■ 29.0506, 42.9309,
7.5738

■ 77.0021, 103.9511,
32.7306

■ 19.2636, 29.8309,
3.7396

■ 100.4006,
132.8125, 47.0627

■ 11.9660, 19.7103,
1.4836

■ 128.1153,
166.5753, 65.0658

■ 6.7926, 12.1846,
0.2057

■ 160.5116,
205.6238, 87.1582

■ 3.3779, 6.8695,
0.0000

■ 197.9549,
250.3424, 113.7586

■ 1.3566, 3.3806,
0.0000

240.8105,

■ 0.2250, 1.3335,

301.1156, 145.2855

0.0000

289.4437,
358.3277, 182.1574

■ 0.0000, 0.1670,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.6925, 59.3947,
13.4046

■ 41.6925, 59.3947,
13.4046

■ 39.7060, 58.4252,
10.9352

■ 44.0171, 60.5146,
17.1465


■ 38.0193, 57.5843,
9.5632

■ 46.7043, 61.7886,
22.2987


■ 37.0044, 57.0710,
9.0655


■ 49.7802, 63.2295,
28.9855

■ 53.2672, 64.8464,
37.3163

 57.1858, 66.6475,
47.3907

 61.5547, 68.6407,
59.3003

 66.3915, 70.8331,
73.1303

 71.7129, 73.2315,
88.9605

 77.2089, 75.7121,
105.1523

Harmonies

Analogous

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



56.1856, 59.3947, 9.4321



41.6925, 59.3947, 13.4046



32.8828, 59.3947, 29.1364

Triad

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



41.6925, 59.3947, 13.4046



42.0725, 59.3947, 182.1137



94.9997, 59.3947, 63.9071

Complementary

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



41.6925, 59.3947, 13.4046



21.5550, 11.9418, 68.8825

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.



89.2285, 59.3947, 121.3407



41.6925, 59.3947, 13.4046



56.7210, 59.3947, 206.9490

Square

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



41.6925, 59.3947, 13.4046



33.0699, 59.3947, 123.3718



74.3409, 59.3947, 180.5892



88.8658, 59.3947, 28.3630

Rectangle

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



41.6925, 59.3947, 13.4046



30.3534, 59.3947, 50.6295



74.3409, 59.3947, 180.5892



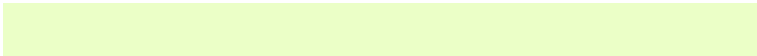
94.3772, 59.3947, 81.0941

Sweetspot

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



41.6939, 59.3973, 13.4059



80.4785, 93.3837, 67.7552



36.1750, 27.2696, 7.4955



16.8885, 19.8335, 13.6103



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.



41.6939, 59.3973, 13.4059



54.1199, 80.9569, 14.0427



30.2071, 53.4757, 12.8683



13.6997, 15.0254, 13.9037



21.8408, 33.5569, 5.3260



1.5066, 2.2212, 0.3493

Inverse Universe

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



21.5550, 11.9418, 68.8825



24.7945, 11.4089, 95.5031



36.5194, 19.6562, 69.5828



12.7638, 12.8363, 16.4571



9.4644, 4.0033, 40.0123



0.7043, 0.3063, 2.5965

Previews

White Background



This preview shows how the XYZ color 41.6925, 59.3947, 13.4046 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 41.6925, 59.3947, 13.4046 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 41.6925, 59.3947, 13.4046

Background



This preview shows how black text looks on a background with the XYZ color 41.6925, 59.3947, 13.4046.



This preview shows how white text looks on a background with the XYZ color 41.6925, 59.3947,

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

41.6925, 59.3947, 13.4046

Protanopia

53.1504, 58.6762, 12.0143

Deuteranopia

60.1000, 58.8369, 13.9834



Tritanopia

54.5446, 59.0038, 77.6213

Trichromacy



Original Color

41.6925, 59.3947, 13.4046

Protanomaly

48.1429, 58.5830, 12.5116

Deuteranomaly

51.6191, 57.8501, 13.5998

Tritanomaly

47.5619, 57.9676, 43.3324

Monochromacy



Original Color

41.6925, 59.3947, 13.4046

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

42.9857, 51.5994, 32.1202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6925, 59.3947, 13.4046 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(164, 220, 59)` looks like.

```
.text, #text, p{  
    color:rgb(164, 220, 59)  
}
```

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(164, 220, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 220, 59) }
```

Border

The CSS property to change the border of an element to XYZ 41.6925, 59.3947, 13.4046 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(164, 220, 59) }
```


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

```
.border{ border-color:rgb(164, 220, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 220, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 220, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 220, 59);  
box-shadow:4px 4px 4px 4px rgb(164, 220,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6925, 59.3947, 13.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 220, 59) }
```

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

```
.background{ background-color: rgb(164,  
220, 59) }
```

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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