

Converting Colors

XYZ(41.1315, 59.4752, 19.8510)

Have a look what the booklet for
XYZ(41.1315, 59.4752, 19.8510)
contains.

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Color

**XYZ(41.0137, 59.2934,
19.8728)**

Conversions

Conversions Part 1

Format	Color
Hex	99DD5E
RGB	153, 221, 94
RGB Percent	60%, 87%, 37%
CMY	0.4000, 0.1333, 0.6314
CMYK	0.31, 0.00, 0.57, 0.13
HSL	92°, 65%, 62%
HSV	92°, 57%, 87%
XYZ	41.0137, 59.2934, 19.8728
YIQ	186.1900, 0.2390, -53.9130

Conversions

Conversions Part 2

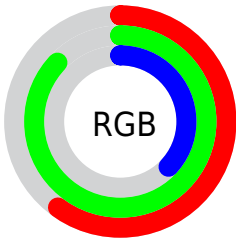
Format	Color
RYB	94, 221, 162
Decimal	10083678
CIELab	81.45, -42.22, 54.57
CIELCh	81, 68.999, 127.727
Yxy	59.2934, 0.3413, 0.4934
Android (android.graphics.Color)	4288273758 (0xFF99DD5E)
YUV	186.1900, -45.4497, -29.1076
Hunter-Lab	77.0022, -39.6794, 38.5999

Details

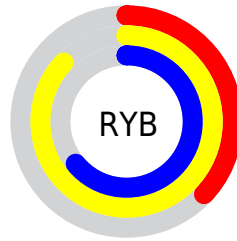
The XYZ color **41.0137, 59.2934, 19.8728** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **31.9569, 20.9091, 70.7616**, and the grayscale version is **47.0269, 49.4760, 53.8793**.

A 20% lighter version of the original color is **67.6836, 87.3598, 41.3118**, and **18.7511, 29.5981, 6.6442** is the 20% darker color. If you saturate the color by 10%, you get **38.0370, 57.8594, 15.2776**, and if you desaturate by 10%, it is **44.4987, 60.9604, 25.9760**.

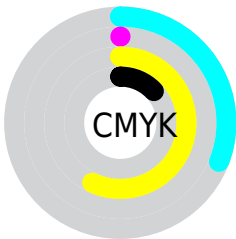
Distribution



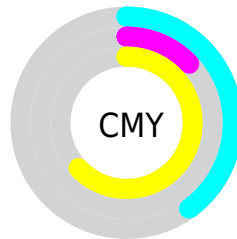
- Red (60%)
- Green (87%)
- Blue (37%)



- Red (37%)
- Yellow (87%)
- Blue (64%)



- Cyan (31%)
- Magenta (0%)
- Yellow (57%)
- Black (13%)



- Cyan (40%)
- Magenta (13%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0137, 59.2934, 19.8728 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 41.0137, 59.2934, 19.8728 by changing the saturation by 10% instead.

■ 41.0137, 59.2934,
19.8728

■ 41.0137, 59.2934,
19.8728

341.4395,
421.9883, 263.8071

■ 28.5175, 42.8494,
12.1195

■ 75.9793, 103.8040,
44.0600

■ 18.8586, 29.7669,
6.7016

■ 99.1793, 132.6393,
61.3309

■ 11.6715, 19.6617,
3.2006

■ 126.6781,
166.3738, 82.6114

■ 6.5910, 12.1494,
1.1979

■ 158.8409,
205.3919, 108.3201

■ 3.2517, 6.8455,
0.0000

196.0331,
250.0780, 138.8755

■ 1.2882, 3.3657,
0.0000

238.6200,

■ 0.1744, 1.3255,

300.8166, 174.6961

0.0000

286.9670,
357.9919, 216.2004

■ 0.0000, 0.1608,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.0137, 59.2934,
19.8728

■ 41.0137, 59.2934,
19.8728

■ 38.0370, 57.8594,
15.2776

■ 44.4987, 60.9604,
25.9760

■ 35.5329, 56.6372,
12.0546


■ 48.5159, 62.8646,
33.6995


■ 33.4669, 55.6144,
10.0508


■ 53.0926, 65.0195,
43.1496

■ 31.7924, 54.7713,
9.0572


■ 58.2526, 67.4354,
54.4222


 31.4128, 54.5792,
8.8792

 64.0181, 70.1218,
67.6063

 70.4105, 73.0878,
82.7850

 77.4494, 76.3420,
100.0366

 82.5032, 78.8321,
105.4755

 85.1477, 80.1955,
105.5992

Harmonies

Analogous

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



52.7043, 59.2934, 13.4675



41.0137, 59.2934, 19.8728



34.3653, 59.2934, 38.8634

Triad

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



41.0137, 59.2934, 19.8728



46.4723, 59.2934, 169.6765



88.5988, 59.2934, 54.4457

Complementary

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



41.0137, 59.2934, 19.8728



31.9569, 20.9091, 70.7616

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.



86.1610, 59.2934, 99.6415



41.0137, 59.2934, 19.8728



60.1739, 59.2934, 179.7972

Square

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



41.0137, 59.2934, 19.8728



37.1211, 59.2934, 126.4834



75.1157, 59.2934, 150.1135



81.2997, 59.2934, 27.0969

Rectangle

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



41.0137, 59.2934, 19.8728



32.9120, 59.2934, 61.4575



75.1157, 59.2934, 150.1135



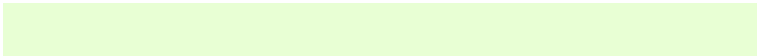
88.9106, 59.2934, 67.7661

Sweetspot

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



41.0151, 59.2960, 19.8741



80.8093, 93.3761, 75.8204



44.7150, 41.9295, 16.3270



16.9717, 19.8346, 15.5043



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.



41.0151, 59.2960, 19.8741



51.8276, 79.6399, 20.0471



32.6900, 54.9817, 20.5036



13.4586, 14.9011, 13.8924



18.3753, 31.7703, 5.1638



1.2892, 2.1092, 0.3392

Inverse Universe

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



31.9569, 20.9091, 70.7616



38.1420, 21.7337, 96.7925



46.3180, 28.3768, 68.5260



13.0012, 12.9588, 16.4682



12.0806, 5.3520, 40.1347



0.8817, 0.3978, 2.6048

Previews

White Background



This preview shows how the XYZ color 41.0137, 59.2934, 19.8728 looks on a white background.

Color Contrast Check

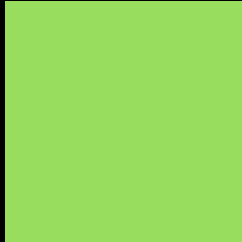
Large Text (above 18pt) WCAG AA × Fail

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 41.0137, 59.2934, 19.8728 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 41.0137, 59.2934, 19.8728

Background



This preview shows how black text looks on a background with the XYZ color 41.0137, 59.2934, 19.8728.



This preview shows how white text looks on a background with the XYZ color 41.0137, 59.2934,

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

41.0137, 59.2934, 19.8728

Protanopia

53.6225, 58.7929, 17.7545

Deuteranopia

59.9593, 58.6150, 20.7240



Tritanopia

52.7806, 58.7781, 79.0845

Trichromacy



Original Color

41.0137, 59.2934, 19.8728



Protanomaly

47.9346, 58.3449, 18.4081



Deuteranomaly

51.0486, 57.7589, 20.2624



Tritanomaly

46.9963, 58.2606, 50.3634

Monochromacy



Original Color

41.0137, 59.2934, 19.8728



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

43.6288, 52.1454, 37.9026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0137, 59.2934, 19.8728 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(153, 221, 94)` looks like.

```
.text, #text, p{  
    color:rgb(153, 221, 94)  
}
```

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(153, 221, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 221, 94) }
```

Border

The CSS property to change the border of an element to XYZ 41.0137, 59.2934, 19.8728 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(153, 221, 94) }
```


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

```
.border{ border-color:rgb(153, 221, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 221, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 221, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 221, 94);  
box-shadow:4px 4px 4px 4px rgb(153, 221,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0137, 59.2934, 19.8728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 221, 94) }
```

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

```
.background{ background-color: rgb(153,  
221, 94) }
```

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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