

Converting Colors

XYZ(39.9778, 58.8943, 19.7677)

Have a look what the booklet for
XYZ(39.9778, 58.8943, 19.7677)
contains.

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Color

**XYZ(39.9095, 58.7241,
19.8211)**

Conversions

Conversions Part 1

Format	Color
Hex	93DD5E
RGB	147, 221, 94
RGB Percent	58%, 87%, 37%
CMY	0.4235, 0.1333, 0.6314
CMYK	0.33, 0.00, 0.57, 0.13
HSL	95°, 65%, 62%
HSV	95°, 57%, 87%
XYZ	39.9095, 58.7241, 19.8211
YIQ	184.3960, -3.3370, -55.1850

Conversions

Conversions Part 2

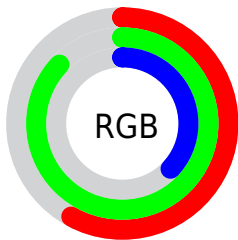
Format	Color
RYB	94, 221, 168
Decimal	9690462
CIELab	81.14, -44.29, 54.13
CIELCh	81, 69.945, 129.292
Yxy	58.7241, 0.3369, 0.4958
Android (android.graphics.Color)	4287880542 (0xFF93DD5E)
YUV	184.3960, -44.5652, -32.7963
Hunter-Lab	76.6317, -41.1432, 38.3065

Details

The XYZ color **39.9095, 58.7241, 19.8211** 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 **33.2049, 21.5525, 70.8198**, and the grayscale version is **46.0208, 48.4175, 52.7267**.

A 20% lighter version of the original color is **66.0071, 86.4955, 41.2333**, and **18.1357, 29.2809, 6.6154** is the 20% darker color. If you saturate the color by 10%, you get **36.8752, 57.2604, 15.2232**, and if you desaturate by 10%, it is **43.4890, 60.4398, 25.9287**.

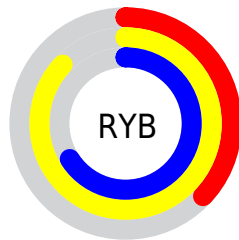
Distribution



Red (58%)

Green (87%)

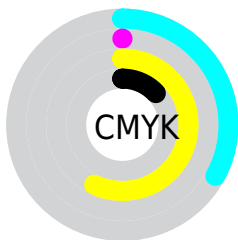
Blue (37%)



Red (37%)

Yellow (87%)

Blue (66%)

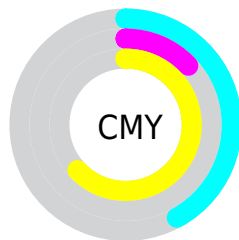


Cyan (33%)

Magenta (0%)

Yellow (57%)

Black (13%)



Cyan (42%)

Magenta (13%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9095, 58.7241, 19.8211 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 39.9095, 58.7241, 19.8211 by changing the saturation by 10% instead.

■ 39.9095, 58.7241,
19.8211

■ 39.9095, 58.7241,
19.8211

336.8829,
419.8787, 263.5171

■ 27.6519, 42.3911,
12.0823

■ 74.3109, 102.9766,
43.9721

■ 18.2025, 29.4076,
6.6765

■ 97.1854, 131.6648,
61.2213

■ 11.1961, 19.3894,
3.1853

■ 124.3296,
165.2402, 82.4777

■ 6.2671, 11.9520,
1.1900

■ 156.1088,
204.0872, 108.1599

■ 3.0504, 6.7110,
0.0000

192.8883,
248.5901, 138.6864

■ 1.1805, 3.2820,
0.0000

235.0337,

■ 0.0909, 1.2807,

299.1334, 174.4758

0.0000

282.9101,
356.1015, 215.9465

■ 0.0000, 0.1262,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.9095, 58.7241,
19.8211

■ 39.9095, 58.7241,
19.8211

■ 36.8752, 57.2604,
15.2232

■ 43.4890, 60.4398,
25.9287

■ 34.3486, 56.0266,
11.9992


■ 47.6397, 62.4128,
33.6585


■ 32.2927, 55.0089,
9.9958


■ 52.3906, 64.6575,
43.1166


■ 30.6585, 54.1867,
9.0041


■ 57.7672, 67.1851,
54.3994


 30.2937, 54.0022,
8.8268

 63.7936, 70.0060,
67.5956

 70.4924, 73.1300,
82.7887

 77.8850, 76.5664,
100.0568

 83.3410, 79.2639,
105.5147

 85.1477, 80.1953,
105.5992

Harmonies

Analogous

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



51.4199, 58.7241, 12.9892



39.9095, 58.7241, 19.8211



33.5261, 58.7241, 39.5902

Triad

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



39.9095, 58.7241, 19.8211



46.4970, 58.7241, 171.9593



88.2216, 58.7241, 51.8586

Complementary

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



39.9095, 58.7241, 19.8211



33.2049, 21.5525, 70.8198

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.



86.2818, 58.7241, 96.6577



39.9095, 58.7241, 19.8211



60.4548, 58.7241, 180.0598

Square

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



39.9095, 58.7241, 19.8211



36.8452, 58.7241, 129.2713



75.4693, 58.7241, 148.1386



80.3835, 58.7241, 25.4435

Rectangle

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



39.9095, 58.7241, 19.8211



32.2575, 58.7241, 62.9553



75.4693, 58.7241, 148.1386



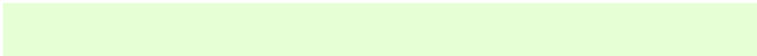
88.7176, 58.7241, 64.9361

Sweetspot

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



39.9109, 58.7266, 19.8224



80.1492, 93.0358, 75.7895



45.4717, 43.4429, 16.5792



16.8163, 19.7545, 15.4971



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.



39.9109, 58.7266, 19.8224



50.2107, 78.8064, 19.9715



32.8958, 55.0639, 21.5876



13.3988, 14.8703, 13.8896



17.7197, 31.4323, 5.1331



1.2447, 2.0862, 0.3371

Inverse Universe

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



33.2049, 21.5525, 70.8198



40.0413, 22.7128, 96.8814



45.7749, 28.1596, 65.6664



13.0619, 12.9901, 16.4710



12.9530, 5.8017, 40.1755



0.9365, 0.4260, 2.6073

Previews

White Background



This preview shows how the XYZ color 39.9095, 58.7241, 19.8211 looks on a white background.

Color Contrast Check

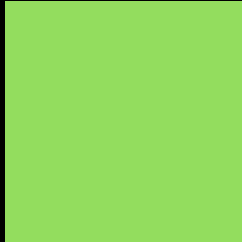
Large Text (above 18pt) WCAG AA × Fail

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 39.9095, 58.7241, 19.8211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

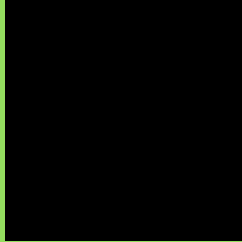
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9095, 58.7241, 19.8211

Background



This preview shows how black text looks on a background with the XYZ color 39.9095, 58.7241, 19.8211.



This preview shows how white text looks on a background with the XYZ color 39.9095, 58.7241,

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

39.9095, 58.7241, 19.8211

Protanopia

53.0795, 58.1658, 17.6621

Deuteranopia

59.0351, 57.8137, 20.6181



Tritanopia

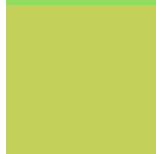
51.7037, 58.2230, 79.0341

Trichromacy



Original Color

39.9095, 58.7241, 19.8211



Protanomaly

46.9070, 57.4520, 18.2900



Deuteranomaly

49.9510, 56.8436, 20.1436



Tritanomaly

45.9765, 57.7349, 50.3157

Monochromacy



Original Color

39.9095, 58.7241, 19.8211



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.3468, 50.8248, 36.8564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9095, 58.7241, 19.8211 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(147, 221, 94)` looks like.

```
.text, #text, p{  
    color:rgb(147, 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(147, 221, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 221, 94) }
```

Border

The CSS property to change the border of an element to XYZ 39.9095, 58.7241, 19.8211 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(147, 221, 94) }
```


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

```
.border{ border-color:rgb(147, 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(147, 221, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 221, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 221, 94);  
box-shadow:4px 4px 4px 4px rgb(147, 221,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9095, 58.7241, 19.8211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 221, 94) }
```

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

```
.background{ background-color: rgb(147,  
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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