

Converting Colors

XYZ(40.2578, 53.3949, 19.8301)

Have a look what the booklet for
XYZ(40.2578, 53.3949, 19.8301)
contains.

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Color

**XYZ(40.2123, 53.2399,
19.7122)**

Conversions

Conversions Part 1

Format	Color
Hex	A7CE62
RGB	167, 206, 98
RGB Percent	65%, 81%, 38%
CMY	0.3451, 0.1921, 0.6157
CMYK	0.19, 0.00, 0.52, 0.19
HSL	82°, 52%, 60%
HSV	82°, 52%, 81%
XYZ	40.2123, 53.2399, 19.7122
YIQ	182.0270, 11.4240, -41.8560

Conversions

Conversions Part 2

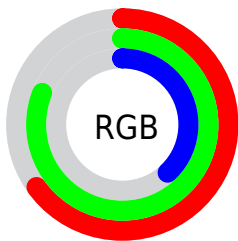
Format	Color
RYB	98, 206, 137
Decimal	10997346
CIELab	78.02, -29.89, 48.96
CIELCh	78, 57.358, 121.404
Yxy	53.2399, 0.3553, 0.4705
Android (android.graphics.Color)	4289187426 (0xFFA7CE62)
YUV	182.0270, -41.4253, -13.1787
Hunter-Lab	72.9657, -29.3163, 35.0584

Details

The XYZ color **40.2123, 53.2399, 19.7122** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **25.8268, 18.5114, 60.6073**, and the grayscale version is **44.6936, 47.0211, 51.2060**.

A 20% lighter version of the original color is **72.0864, 89.6017, 42.7737**, and **18.4035, 26.0985, 6.6523** is the 20% darker color. If you saturate the color by 10%, you get **37.8357, 52.1147, 15.1609**, and if you desaturate by 10%, it is **42.9322, 54.5165, 25.5882**.

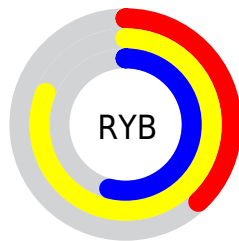
Distribution



Red (65%)

Green (81%)

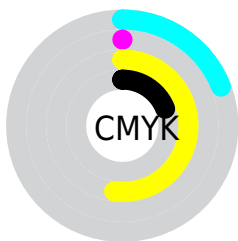
Blue (38%)



Red (38%)

Yellow (81%)

Blue (54%)

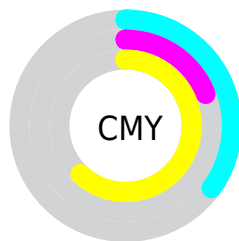


Cyan (19%)

Magenta (0%)

Yellow (52%)

Black (19%)



Cyan (35%)

Magenta (19%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2123, 53.2399, 19.7122 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 40.2123, 53.2399, 19.7122 by changing the saturation by 10% instead.

■ 40.2123, 53.2399,
19.7122

■ 40.2123, 53.2399,
19.7122

338.1367,
399.2048, 262.9053

■ 27.8891, 37.9943,
12.0040

■ 74.7690, 94.9573,
43.7867

■ 18.3821, 25.9783,
6.6238

■ 97.7331, 122.1979,
60.9902

■ 11.3260, 16.8074,
3.1531

■ 124.9749,
154.2056, 82.1958

■ 6.3555, 10.0973,
1.1733

■ 156.8598,
191.3648, 107.8221

■ 3.1051, 5.4635,
0.0000

193.7530,
234.0600, 138.2877

■ 1.2096, 2.5217,
0.0000

236.0200,

■ 0.1139, 0.8875,

282.6754, 174.0111

0.0000

284.0261,
337.5956, 215.4107

■ 0.0000, 0.0000,
0.0000

■ 40.2123, 53.2399,
19.7122

■ 40.2123, 53.2399,
19.7122

■ 37.8357, 52.1147,
15.1609

■ 42.9322, 54.5165,
25.5882

■ 35.7775, 51.1253,
11.8276

■ 46.0106, 55.9453,
32.8778

■ 34.0149, 50.2642,
9.5945

■ 49.4661, 57.5358,
41.6665

■ 32.5191, 49.5198,
8.3191

■ 53.3150, 59.2945,
52.0316

■ 31.5268, 49.0187,
7.7999

■ 57.5721, 61.2277,
64.0454

■ 62.2518, 63.3411,
77.7756

■ 67.3675, 65.6403,
93.2861

■ 71.6493, 67.6175,
103.8829

■ 74.0404, 68.8502,
103.9948

Harmonies

Analogous

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



50.0784, 53.2399, 15.6465



40.2123, 53.2399, 19.7122



33.9845, 53.2399, 33.2223

Triad

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



40.2123, 53.2399, 19.7122



40.9995, 53.2399, 130.5240



75.2661, 53.2399, 56.4748

Complementary

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



40.2123, 53.2399, 19.7122



25.8268, 18.5114, 60.6073

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.



71.9103, 53.2399, 92.6929



40.2123, 53.2399, 19.7122



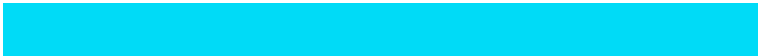
51.1311, 53.2399, 143.8152

Square

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



40.2123, 53.2399, 19.7122



34.3898, 53.2399, 96.3092



62.6450, 53.2399, 127.9515



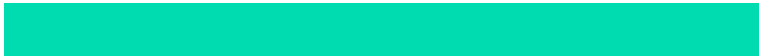
71.2471, 53.2399, 31.4532

Rectangle

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



40.2123, 53.2399, 19.7122



32.1920, 53.2399, 49.2491



62.6450, 53.2399, 127.9515



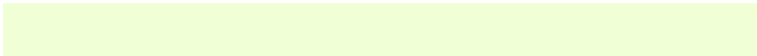
74.9604, 53.2399, 67.6623

Sweetspot

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



40.2136, 53.2423, 19.7133



83.9485, 94.9570, 77.6563



36.4362, 31.5574, 15.7268



17.6898, 20.1974, 15.8706



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.



40.2136, 53.2423, 19.7133



60.8174, 84.2023, 23.7195



31.2431, 48.6178, 19.2935



11.7456, 12.8863, 11.9477



19.5216, 30.2391, 4.8078



1.0883, 1.6018, 0.2518

Inverse Universe

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



25.8268, 18.5114, 60.6073



35.1018, 21.9988, 97.0039



36.6955, 24.1144, 61.1159



10.9778, 11.0379, 14.1223



8.7150, 3.7003, 36.2112



0.5321, 0.2334, 1.8720

Previews

White Background



This preview shows how the XYZ color 40.2123, 53.2399, 19.7122 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 40.2123, 53.2399, 19.7122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

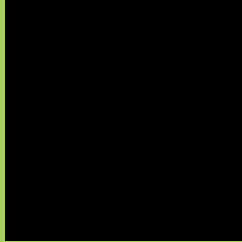
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2123, 53.2399, 19.7122

Background



This preview shows how black text looks on a background with the XYZ color 40.2123, 53.2399, 19.7122.



This preview shows how white text looks on a background with the XYZ color 40.2123, 53.2399,

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

40.2123, 53.2399, 19.7122

Protanopia

48.5309, 53.0942, 18.2800

Deuteranopia

53.6931, 52.5286, 20.4058



Tritanopia

49.8565, 53.0108, 67.9260

Trichromacy



Original Color

40.2123, 53.2399, 19.7122

Protanomaly

45.0246, 52.9502, 18.6738

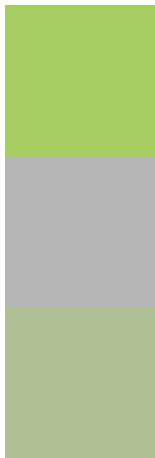
Deuteranomaly

47.6074, 51.9226, 20.0832

Tritanomaly

45.2600, 52.4828, 45.2809

Monochromacy



Original Color

40.2123, 53.2399, 19.7122

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.3482, 48.8431, 36.4738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2123, 53.2399, 19.7122 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(167, 206, 98)` looks like.

```
.text, #text, p{  
    color:rgb(167, 206, 98)  
}
```

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(167, 206, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 206, 98) }
```

Border

The CSS property to change the border of an element to XYZ 40.2123, 53.2399, 19.7122 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(167, 206, 98) }
```


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

```
.border{ border-color:rgb(167, 206, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 206, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 206, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 206, 98);  
box-shadow:4px 4px 4px 4px rgb(167, 206,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2123, 53.2399, 19.7122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 206, 98) }
```

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

```
.background{ background-color: rgb(167,  
206, 98) }
```

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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