

Converting Colors

XYZ(40.6863, 53.8095, 20.0654)

Have a look what the booklet for
XYZ(40.6863, 53.8095, 20.0654)
contains.

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Color

**XYZ(40.7134, 53.8513,
20.0529)**

Conversions

Conversions Part 1

Format	Color
Hex	A8CF63
RGB	168, 207, 99
RGB Percent	66%, 81%, 39%
CMY	0.3412, 0.1882, 0.6118
CMYK	0.19, 0.00, 0.52, 0.19
HSL	82°, 53%, 60%
HSV	82°, 52%, 81%
XYZ	40.7134, 53.8513, 20.0529
YIQ	183.0270, 11.4240, -41.8560

Conversions

Conversions Part 2

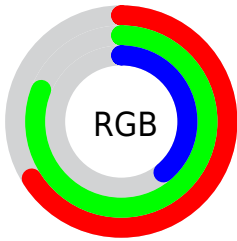
Format	Color
RYB	99, 207, 138
Decimal	11063139
CIELab	78.37, -29.88, 48.93
CIELCh	78, 57.328, 121.413
Yxy	53.8513, 0.3552, 0.4698
Android (android.graphics.Color)	4289253219 (0xFFA8CF63)
YUV	183.0270, -41.4253, -13.1787
Hunter-Lab	73.3834, -29.3886, 35.1667

Details

The XYZ color **40.7134, 53.8513, 20.0529** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **26.2077, 18.8334, 61.2884**, and the grayscale version is **45.2415, 47.5976, 51.8338**.

A 20% lighter version of the original color is **72.4788, 89.7946, 43.2178**, and **18.5514, 26.1724, 6.7633** is the 20% darker color. If you saturate the color by 10%, you get **38.3022, 52.7101, 15.4201**, and if you desaturate by 10%, it is **43.4724, 55.1460, 26.0281**.

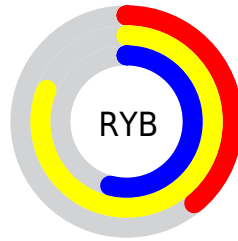
Distribution



Red (66%)

Green (81%)

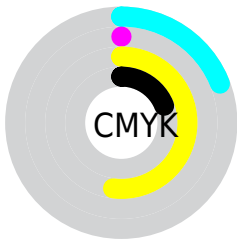
Blue (39%)



Red (39%)

Yellow (81%)

Blue (54%)

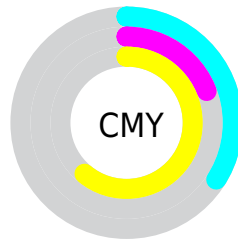


Cyan (19%)

Magenta (0%)

Yellow (52%)

Black (19%)



Cyan (34%)

Magenta (19%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7134, 53.8513, 20.0529 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 40.7134, 53.8513, 20.0529 by changing the saturation by 10% instead.

■ 40.7134, 53.8513,
20.0529

■ 40.7134, 53.8513,
20.0529

340.2044,
401.5427, 264.8151

■ 28.2819, 38.4828,
12.2490

■ 75.5261, 95.8559,
44.3660

■ 18.6798, 26.3576,
6.7889

■ 98.6380, 123.2607,
61.7123

■ 11.5418, 17.0914,
3.2540

■ 126.0407,
155.4465, 83.0765

■ 6.5024, 10.2997,
1.2258

■ 158.0997,
192.7976, 108.8772

■ 3.1965, 5.5981,
0.0000

195.1801,
235.6983, 139.5328

■ 1.2585, 2.6023,
0.0000

237.6475,

■ 0.1518, 0.9278,

284.5332, 175.4620

0.0000

285.8672,
339.6865, 217.0832

■ 0.0000, 0.0000,
0.0000

■ 40.7134, 53.8513,
20.0529

■ 40.7134, 53.8513,
20.0529

■ 38.3022, 52.7101,
15.4201

■ 43.4724, 55.1460,
26.0281

■ 36.2136, 51.7064,
12.0218

■ 46.5945, 56.5947,
33.4355

■ 34.4245, 50.8327,
9.7395

■ 50.0985, 58.2072,
42.3612

■ 32.9062, 50.0774,
8.4297

■ 54.0007, 59.9900,
52.8834

■ 31.8681, 49.5533,
7.8851

■ 58.3163, 61.9494,
65.0752

■ 63.0598, 64.0913,
79.0049

■ 68.2446, 66.4214,
94.7371

■ 72.2979, 68.3105,
103.9825

■ 74.7187, 69.5584,
104.0958

Harmonies

Analogous

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



50.6523, 53.8513, 15.9385



40.7134, 53.8513, 20.0529



34.4366, 53.8513, 33.6986

Triad

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



40.7134, 53.8513, 20.0529



41.5120, 53.8513, 131.6270



76.0084, 53.8513, 57.1199

Complementary

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



40.7134, 53.8513, 20.0529



26.2077, 18.8334, 61.2884

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.



72.6344, 53.8513, 93.5698



40.7134, 53.8513, 20.0529



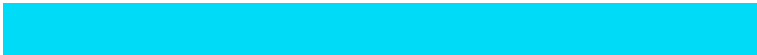
51.7195, 53.8513, 144.9753

Square

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



40.7134, 53.8513, 20.0529



34.8480, 53.8513, 97.2313



63.3116, 53.8513, 129.0243



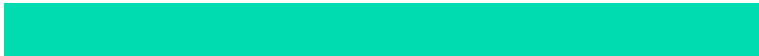
71.9626, 53.8513, 31.9018

Rectangle

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



40.7134, 53.8513, 20.0529



32.6299, 53.8513, 49.8596



63.3116, 53.8513, 129.0243



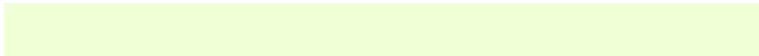
75.7016, 53.8513, 68.3838

Sweetspot

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



40.7147, 53.8537, 20.0541



83.9484, 94.9570, 77.6563



36.9035, 32.0025, 16.0372



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.



40.7147, 53.8537, 20.0541



60.8172, 84.2023, 23.7195



31.6632, 49.1875, 19.6305



12.3721, 13.5753, 12.5802



20.1840, 31.2742, 4.9727



1.2137, 1.7925, 0.2820

Inverse Universe

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



26.2077, 18.8334, 61.2884



35.1019, 21.9988, 97.0039



37.1619, 24.4805, 61.8011



11.5610, 11.6225, 14.8777



9.0069, 3.8235, 37.4558



0.5895, 0.2580, 2.0983

Previews

White Background



This preview shows how the XYZ color 40.7134, 53.8513, 20.0529 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 40.7134, 53.8513, 20.0529 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 40.7134, 53.8513, 20.0529

Background



This preview shows how black text looks on a background with the XYZ color 40.7134, 53.8513, 20.0529.



This preview shows how white text looks on a background with the XYZ color 40.7134, 53.8513,

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

40.7134, 53.8513, 20.0529

Protanopia

49.0889, 53.7059, 18.6055

Deuteranopia

54.6153, 53.3054, 20.7750



Tritanopia

50.4394, 53.6284, 68.6657

Trichromacy



Original Color

40.7134, 53.8513, 20.0529

Protanomaly

45.5607, 53.5617, 19.0035

Deuteranomaly

48.4492, 52.6756, 20.4458

Tritanomaly

45.8106, 53.0962, 45.8643

Monochromacy



Original Color

40.7134, 53.8513, 20.0529

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

42.8772, 49.4312, 36.9871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7134, 53.8513, 20.0529 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(168, 207, 99)` looks like.

```
.text, #text, p{  
    color:rgb(168, 207, 99)  
}
```

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(168, 207, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 207, 99) }
```

Border

The CSS property to change the border of an element to XYZ 40.7134, 53.8513, 20.0529 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(168, 207, 99) }
```


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

```
.border{ border-color:rgb(168, 207, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 207, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 207, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 207, 99);  
box-shadow:4px 4px 4px 4px rgb(168, 207,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7134, 53.8513, 20.0529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 207, 99) }
```

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

```
.background{ background-color: rgb(168,  
207, 99) }
```

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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