

Converting Colors

XYZ(54.5591, 70.7233, 40.7833)

Have a look what the booklet for
XYZ(54.5591, 70.7233, 40.7833)
contains.

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Color

**XYZ(54.6558, 70.7681,
40.9159)**

Conversions

Conversions Part 1

Format	Color
Hex	B8E999
RGB	184, 233, 153
RGB Percent	72%, 91%, 60%
CMY	0.2784, 0.0863, 0.4000
CMYK	0.21, 0.00, 0.34, 0.09
HSL	97°, 65%, 76%
HSV	97°, 34%, 91%
XYZ	54.6558, 70.7681, 40.9159
YIQ	209.2290, -3.5240, -35.2680

Conversions

Conversions Part 2

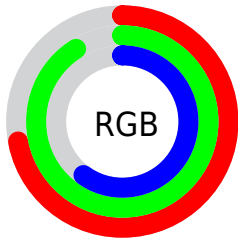
Format	Color
RYB	153, 233, 202
Decimal	12118425
CIELab	87.37, -29.78, 33.90
CIElCh	87, 45.128, 131.300
Yxy	70.7681, 0.3286, 0.4254
Android (android.graphics.Color)	4290308505 (0xFFB8E999)
YUV	209.2290, -27.7209, -22.1258
Hunter-Lab	84.1238, -31.2439, 30.0493

Details

The XYZ color **54.6558, 70.7681, 40.9159** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.4594, 41.2243, 82.3923**, and the grayscale version is **60.9324, 64.1057, 69.8111**.

A 20% lighter version of the original color is **83.4208, 94.7748, 73.5711**, and **27.2770, 37.1297, 18.0410** is the 20% darker color. If you saturate the color by 10%, you get **49.6684, 68.4002, 31.5991**, and if you desaturate by 10%, it is **60.3676, 73.4703, 52.2310**.

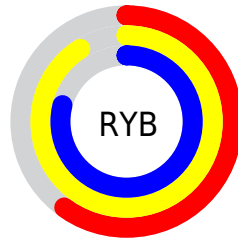
Distribution



Red (72%)

Green (91%)

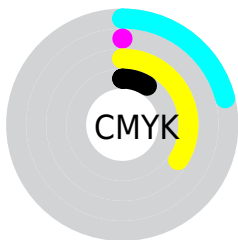
Blue (60%)



Red (60%)

Yellow (91%)

Blue (79%)

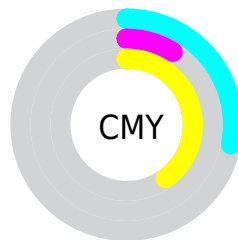


Cyan (21%)

Magenta (0%)

Yellow (34%)

Black (9%)



Cyan (28%)


Magenta (9%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.6558, 70.7681, 40.9159 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 54.6558, 70.7681, 40.9159 by changing the saturation by 10% instead.


 54.6558, 70.7681,
40.9159


 54.6558, 70.7681,
40.9159


394.7635,
463.2424, 365.6352

 39.3590, 52.1530,
27.9342


 96.1877, 120.3035,
77.8085

 27.2211, 37.1270,
18.0374


 123.1535,
151.9925, 102.5564

 17.8768, 25.3059,
10.8071


154.7397,
188.8083, 132.0635

 10.9607, 16.3051,
5.8248

191.3116,
231.1352, 166.7483

 6.1075, 9.7403,
2.6718

233.2346,
279.3577, 207.0293

 2.9518, 5.2271,
0.9292

280.8740,

 1.1283, 2.3811,

333.8601, 253.3251

0.0000

334.5952,
395.0269, 306.0543

0.0486, 0.8162,
0.0000

0.0000, 0.0000,
0.0000

54.6558, 70.7681,
40.9159

54.6558, 70.7681,
40.9159

49.6684, 68.4002,
31.5991

60.3676, 73.4703,
52.2310

45.3680, 66.3435,
24.1598

66.8283, 76.5106,
65.6467

41.7212, 64.5856,
18.4714

74.0678, 79.9046,
81.2635

38.6898, 63.1101,
14.3896

82.1128, 83.6638,
99.1743

■ 36.2301, 61.8980,
11.7473

■ 88.4304, 86.7608,
106.6935

■ 34.2909, 60.9274,
10.3404

■ 33.3842, 60.4685,
9.9121

Harmonies

Analogous

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



63.3373, 70.7681, 32.7294



54.6558, 70.7681, 40.9159



49.7021, 70.7681, 59.7704

Triad

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



54.6558, 70.7681, 40.9159



60.9208, 70.7681, 146.8560



89.3607, 70.7681, 66.1453

Complementary

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



54.6558, 70.7681, 40.9159



50.4594, 41.2243, 82.3923

Split Complementary

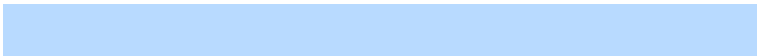
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5381, 70.7681, 97.3854



54.6558, 70.7681, 40.9159



71.3475, 70.7681, 149.8823

Square

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



54.6558, 70.7681, 40.9159



53.0476, 70.7681, 122.5005



81.6734, 70.7681, 129.9223



83.8149, 70.7681, 44.5198

Rectangle

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



54.6558, 70.7681, 40.9159



48.8297, 70.7681, 78.3897



81.6734, 70.7681, 129.9223



89.8339, 70.7681, 75.7344

Sweetspot

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



54.6576, 70.7712, 40.9174



85.6979, 95.6221, 88.4354



60.2435, 61.3997, 38.8141



18.0785, 20.3431, 18.3614



0.0000, 0.0000, 0.0000



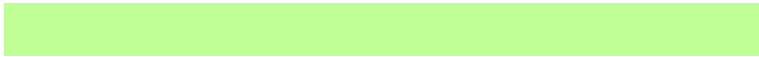
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.6576, 70.7712, 40.9174



62.7769, 84.8076, 42.1053



48.7110, 67.6266, 44.2053



15.4202, 17.1467, 16.0156



19.0706, 34.3758, 5.6301



1.6023, 2.7533, 0.4470

Inverse Universe

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



50.4594, 41.2243, 82.3923



56.9034, 43.5467, 100.0140



58.5889, 45.5443, 76.9407



15.1170, 15.0056, 19.0219



14.8886, 6.7113, 44.2537



1.2762, 0.5822, 3.4800

Previews

White Background



This preview shows how the XYZ color 54.6558, 70.7681, 40.9159 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 54.6558, 70.7681, 40.9159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

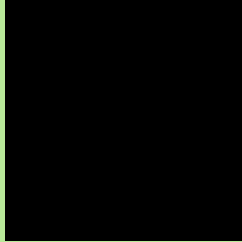
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.6558, 70.7681, 40.9159

Background



This preview shows how black text looks on a background with the XYZ color 54.6558, 70.7681, 40.9159.



This preview shows how white text looks on a background with the XYZ color 54.6558, 70.7681,

40.9159.

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

54.6558, 70.7681, 40.9159

Protanopia

65.2629, 70.2539, 37.7244

Deuteranopia

71.0781, 70.0698, 45.3759



Tritanopia

64.8754, 70.4041, 92.6081

Trichromacy



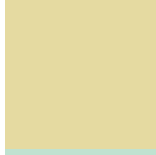
Original Color

54.6558, 70.7681, 40.9159



Protanomaly

60.7259, 69.8507, 38.7157



Deuteranomaly

63.8175, 69.3740, 43.7452



Tritanomaly

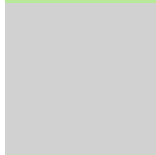
60.3198, 70.1532, 70.0363

Monochromacy



Original Color

54.6558, 70.7681, 40.9159



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

58.0761, 66.0963, 57.8410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.6558, 70.7681, 40.9159 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(184, 233, 153)` looks like.

```
.text, #text, p{  
    color:rgb(184, 233, 153)  
}
```

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(184, 233, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 233, 153) }
```

Border

The CSS property to change the border of an element to XYZ 54.6558, 70.7681, 40.9159 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(184, 233, 153) }
```


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

```
.border{ border-color:rgb(184, 233, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 233, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 233, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 233, 153);  
box-shadow:4px 4px 4px 4px rgb(184, 233,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 54.6558, 70.7681, 40.9159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 233, 153) }
```

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

```
.background{ background-color: rgb(184,  
233, 153) }
```

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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