

Converting Colors

XYZ(53.1058, 66.6021, 40.1941)

Have a look what the booklet for
XYZ(53.1058, 66.6021, 40.1941)
contains.

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Color

**XYZ(53.1685, 66.7151,
40.2120)**

Conversions

Conversions Part 1

Format	Color
Hex	BBE199
RGB	187, 225, 153
RGB Percent	73%, 88%, 60%
CMY	0.2667, 0.1176, 0.4000
CMYK	0.17, 0.00, 0.32, 0.12
HSL	92°, 55%, 74%
HSV	92°, 32%, 88%
XYZ	53.1685, 66.7151, 40.2120
YIQ	205.4300, 0.4640, -30.4480

Conversions

Conversions Part 2

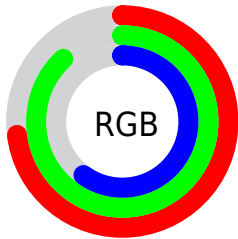
Format	Color
RYB	153, 225, 191
Decimal	12312985
CIELab	85.36, -24.92, 31.27
CIELCh	85, 39.980, 128.552
Yxy	66.7151, 0.3321, 0.4167
Android (android.graphics.Color)	4290503065 (0xFFBBE199)
YUV	205.4300, -25.8480, -16.1631
Hunter-Lab	81.6793, -26.7456, 27.9861

Details

The XYZ color **53.1685, 66.7151, 40.2120** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.4704, 39.2969, 76.3736**, and the grayscale version is **58.4631, 61.5077, 66.9819**.

A 20% lighter version of the original color is **84.4534, 95.3072, 73.6195**, and **26.3966, 34.6756, 17.6137** is the 20% darker color. If you saturate the color by 10%, you get **48.6968, 64.6067, 31.1998**, and if you desaturate by 10%, it is **58.2344, 69.0934, 51.0839**.

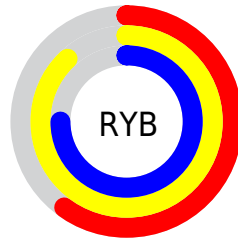
Distribution



Red (73%)

Green (88%)

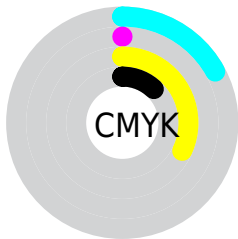
Blue (60%)



Red (60%)

Yellow (88%)

Blue (75%)

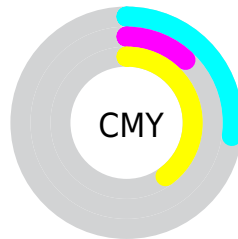


Cyan (17%)

Magenta (0%)

Yellow (32%)

Black (12%)



Cyan (27%)


Magenta (12%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1685, 66.7151, 40.2120 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 53.1685, 66.7151, 40.2120 by changing the saturation by 10% instead.


 53.1685, 66.7151,
40.2120


 53.1685, 66.7151,
40.2120


389.1815,
448.9300, 362.5949

 38.1653, 48.8531,
27.3888


 94.0163, 114.5121,
76.7268

 26.2888, 34.5030,
17.6304


 120.5917,
145.2159, 101.2556

 17.1736, 23.2803,
10.5183

151.7552,
180.9691, 130.5233

 10.4544, 14.8006,
5.6339

187.8721,
222.1561, 164.9485

 5.7659, 8.6796,
2.5586

229.3078,
269.1613, 204.9497

 2.7425, 4.5328,
0.8710

276.4278,

 1.0191, 1.9758,

322.3691, 250.9455

0.0000

329.5972,
382.1639, 303.3544

0.0000, 0.5934,
0.0000

0.0000, 0.0000,
0.0000

53.1685, 66.7151,
40.2120

53.1685, 66.7151,
40.2120

48.6968, 64.6067,
31.1998

58.2344, 69.0934,
51.0839

44.7886, 62.7487,
23.9388

63.9132, 71.7429,
63.9072

41.4179, 61.1320,
18.3157

70.2290, 74.6763,
78.7730

38.5543, 59.7438,
14.2023

77.2027, 77.9025,
95.7650

■ 36.1631, 58.5695,
11.4514

■ 83.1166, 80.7350,
105.8104

■ 34.2042, 57.5923,
9.8859

■ 86.2166, 82.3331,
105.9555

■ 32.8994, 56.9322,
9.2550

Harmonies

Analogous

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



60.8570, 66.7151, 33.6527



53.1685, 66.7151, 40.2120



48.5490, 66.7151, 55.8941

Triad

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



53.1685, 66.7151, 40.2120



57.2560, 66.7151, 129.6263



82.2300, 66.7151, 65.4768

Complementary

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



53.1685, 66.7151, 40.2120



46.4704, 39.2969, 76.3736

Split Complementary

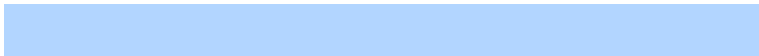
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.0325, 66.7151, 92.4387



53.1685, 66.7151, 40.2120



66.0349, 66.7151, 133.9369

Square

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



53.1685, 66.7151, 40.2120



50.7479, 66.7151, 108.3533



74.8904, 66.7151, 119.0219



78.0220, 66.7151, 45.7897

Rectangle

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



53.1685, 66.7151, 40.2120



47.5516, 66.7151, 71.3890



74.8904, 66.7151, 119.0219



82.4537, 66.7151, 73.9083

Sweetspot

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



53.1702, 66.7180, 40.2134



86.4333, 96.0012, 88.4699



55.2605, 55.2235, 37.8846



18.2560, 20.4346, 18.3698



0.0000, 0.0000, 0.0000



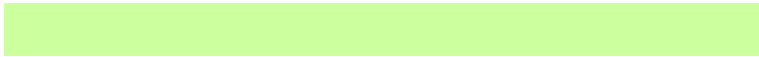
20.3446, 21.4041, 23.3091

Same Dimension

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



53.1702, 66.7180, 40.2134



66.8021, 86.8089, 45.6278



45.9135, 62.9655, 40.3939



14.1412, 15.6529, 14.5828



19.0899, 32.8737, 5.3391



1.4260, 2.3316, 0.3749

Inverse Universe

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



46.4704, 39.2969, 76.3736



56.6580, 45.2990, 100.3651



55.8726, 44.1628, 75.9619



13.6392, 13.5975, 17.2934



12.3325, 5.4530, 41.4509



0.9580, 0.4312, 2.8780

Previews

White Background



This preview shows how the XYZ color 53.1685, 66.7151, 40.2120 looks on a white background.

Color Contrast Check

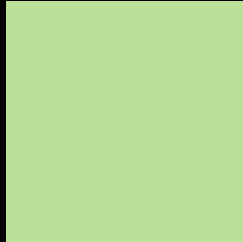
Large Text (above 18pt) WCAG AA × Fail

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 53.1685, 66.7151, 40.2120 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 53.1685, 66.7151, 40.2120

Background



This preview shows how black text looks on a background with the XYZ color 53.1685, 66.7151, 40.2120.



This preview shows how white text looks on a background with the XYZ color 53.1685, 66.7151,

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

53.1685, 66.7151, 40.2120

Protanopia

61.7727, 66.5496, 37.6066

Deuteranopia

67.5481, 66.1636, 41.5584



Tritanopia

62.4191, 66.5692, 85.9032

Trichromacy



Original Color

53.1685, 66.7151, 40.2120

Protanomaly

58.0494, 66.1239, 38.5578

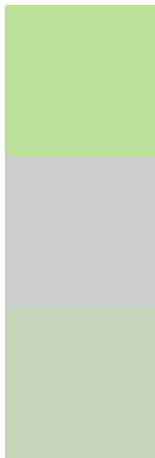
Deuteranomaly

61.5391, 65.9812, 40.9447

Tritanomaly

58.6167, 66.5769, 66.2611

Monochromacy



Original Color

53.1685, 66.7151, 40.2120

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

55.6951, 62.6379, 55.6093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1685, 66.7151, 40.2120 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(187, 225, 153)` looks like.

```
.text, #text, p{  
    color:rgb(187, 225, 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(187, 225, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 225, 153) }
```

Border

The CSS property to change the border of an element to XYZ 53.1685, 66.7151, 40.2120 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(187, 225, 153) }
```


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

```
.border{ border-color:rgb(187, 225, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 225, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 225, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 225, 153);  
box-shadow:4px 4px 4px 4px rgb(187, 225,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1685, 66.7151, 40.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 225, 153) }
```

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

```
.background{ background-color: rgb(187,  
225, 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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