

Converting Colors

XYZ(53.1724, 66.0836, 50.3361)

Have a look what the booklet for
XYZ(53.1724, 66.0836, 50.3361)
contains.

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Color

**XYZ(53.2159, 66.1098,
50.5131)**

Conversions

Conversions Part 1

Format	Color
Hex	B4E0AF
RGB	180, 224, 175
RGB Percent	71%, 88%, 69%
CMY	0.2941, 0.1215, 0.3137
CMYK	0.20, 0.00, 0.22, 0.12
HSL	114°, 44%, 78%
HSV	114°, 22%, 88%
XYZ	53.2159, 66.1098, 50.5131
YIQ	205.2580, -10.4950, -24.5670

Conversions

Conversions Part 2

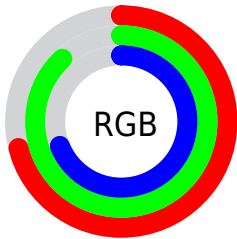
Format	Color
RYB	175, 224, 219
Decimal	11853999
CIELab	85.05, -23.47, 19.40
CIELCh	85, 30.450, 140.419
Yxy	66.1098, 0.3133, 0.3893
Android (android.graphics.Color)	4290044079 (0xFFB4E0AF)
YUV	205.2580, -14.9172, -22.1513
Hunter-Lab	81.3079, -25.4609, 20.0812

Details

The XYZ color **53.2159, 66.1098, 50.5131** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **58.0008, 51.1038, 77.3316**, and the grayscale version is **58.2908, 61.3265, 66.7845**.

A 20% lighter version of the original color is **84.7759, 95.1224, 89.4936**, and **26.3050, 34.2167, 23.6304** is the 20% darker color. If you saturate the color by 10%, you get **46.8482, 63.0625, 39.6678**, and if you desaturate by 10%, it is **60.6317, 69.6591, 63.3153**.

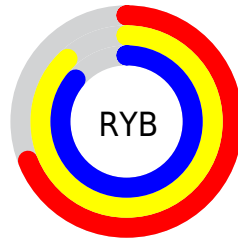
Distribution



Red (71%)

Green (88%)

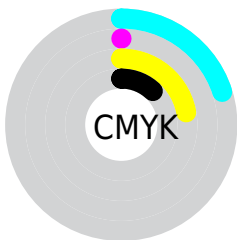
Blue (69%)



Red (69%)

Yellow (88%)

Blue (86%)

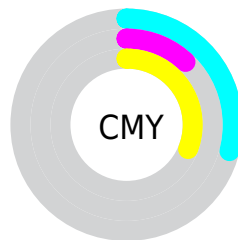


Cyan (20%)

Magenta (0%)

Yellow (22%)

Black (12%)



Cyan (29%)

Magenta (12%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2159, 66.1098, 50.5131 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 53.2159, 66.1098, 50.5131 by changing the saturation by 10% instead.

■ 53.2159, 66.1098,
50.5131

■ 53.2159, 66.1098,
50.5131

389.3602,
446.7695, 405.4615

■ 38.2033, 48.3615,
35.4472

■ 94.0856, 113.6439,
92.3388

■ 26.3185, 34.1133,
23.7213

120.6735,
144.1986, 119.9356

■ 17.1960, 22.9806,
14.9167

151.8505,
179.7908, 152.5466

■ 10.4705, 14.5792,
8.6150

187.9821,
220.8050, 190.5902

■ 5.7766, 8.5246,
4.3975

229.4334,
267.6256, 234.4849

■ 2.7491, 4.4324,
1.8459

276.5700,

■ 1.0225, 1.9183,

320.6369, 284.6494

0.4580

329.7571,
380.2234, 341.5020

■ 0.0000, 0.5593,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.2159, 66.1098,
50.5131

■ 53.2159, 66.1098,
50.5131

■ 46.8482, 63.0625,
39.6678

■ 60.6317, 69.6591,
63.3153

■ 41.4763, 60.4866,
30.6789

■ 69.1345, 73.7227,
78.1595

■ 37.0511, 58.3609,
23.4437

■ 78.7676, 78.3231,
95.1310

■ 33.5174, 56.6594,
17.8477

■ 85.9470, 81.7940,
105.8657

■ 30.8140, 55.3534,
13.7627

■ 28.8723, 54.4106,
11.0419

■ 27.6119, 53.7934,
9.5087

■ 27.0070, 53.4944,
8.9020

Harmonies

Analogous

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



58.3489, 66.1098, 42.0891



53.2159, 66.1098, 50.5131



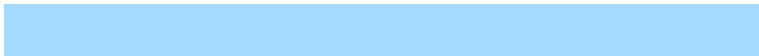
50.7160, 66.1098, 65.8816

Triad

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



53.2159, 66.1098, 50.5131



60.6674, 66.1098, 115.9797



76.0125, 66.1098, 59.6013

Complementary

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



53.2159, 66.1098, 50.5131



58.0008, 51.1038, 77.3316

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.



76.7463, 66.1098, 78.4485



53.2159, 66.1098, 50.5131



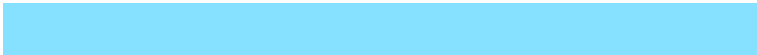
67.5462, 66.1098, 113.4623

Square

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



53.2159, 66.1098, 50.5131



54.8071, 66.1098, 105.1652



73.5494, 66.1098, 98.8075



71.6118, 66.1098, 46.6361

Rectangle

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



53.2159, 66.1098, 50.5131



50.7451, 66.1098, 79.0259



73.5494, 66.1098, 98.8075



76.7080, 66.1098, 65.3702

Sweetspot

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



53.2177, 66.1126, 50.5146



86.6548, 95.9889, 94.1962



63.6262, 69.2356, 50.5688



18.4002, 20.4751, 19.9045



0.0000, 0.0000, 0.0000



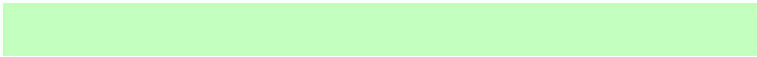
20.3446, 21.4041, 23.3091

Same Dimension

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



53.2177, 66.1126, 50.5146



67.5384, 86.8451, 61.1767



54.0502, 66.3136, 60.8643



13.6579, 15.4038, 14.5602



15.7640, 31.1592, 5.1835



1.1373, 2.1828, 0.3614

Inverse Universe

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



58.0008, 51.1038, 77.3316



74.9784, 63.4860, 102.9100



57.1184, 50.9272, 64.7167



14.1500, 13.8609, 17.3173



21.9322, 10.4018, 41.9001



1.5605, 0.7418, 2.9062

Previews

White Background



This preview shows how the XYZ color 53.2159, 66.1098, 50.5131 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 53.2159, 66.1098, 50.5131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

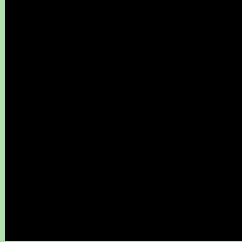
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.2159, 66.1098, 50.5131

Background



This preview shows how black text looks on a background with the XYZ color 53.2159, 66.1098, 50.5131.

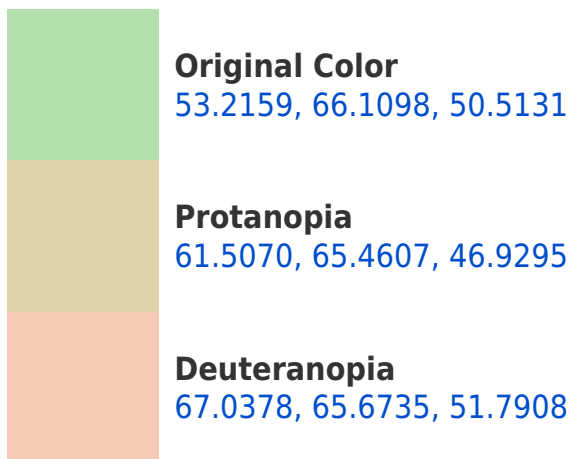


This preview shows how white text looks on a background with the XYZ color 53.2159, 66.1098, 50.5131.

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

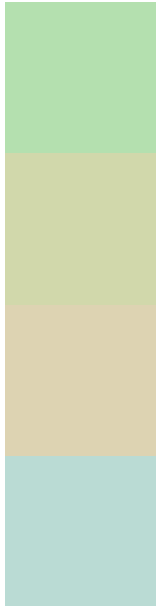




Tritanopia

60.4991, 65.9421, 86.6302

Trichromacy



Original Color

53.2159, 66.1098, 50.5131

Protanomaly

58.2010, 65.6073, 48.1240

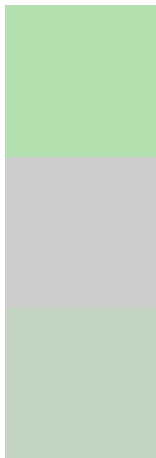
Deuteranomaly

61.1489, 65.1750, 51.4766

Tritanomaly

57.4649, 65.8556, 71.9700

Monochromacy



Original Color

53.2159, 66.1098, 50.5131

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

56.0460, 62.7178, 60.1907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2159, 66.1098, 50.5131 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(180, 224, 175)` looks like.

```
.text, #text, p{  
    color:rgb(180, 224, 175)  
}
```

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(180, 224, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 224, 175) }
```

Border

The CSS property to change the border of an element to XYZ 53.2159, 66.1098, 50.5131 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(180, 224, 175) }
```


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

```
.border{ border-color:rgb(180, 224, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 224, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 224, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 224, 175);  
box-shadow:4px 4px 4px 4px rgb(180, 224,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2159, 66.1098, 50.5131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 224, 175) }
```

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

```
.background{ background-color: rgb(180,  
224, 175) }
```

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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