

Converting Colors

XYZ(50.2640, 63.4464, 53.5735)

Have a look what the booklet for
XYZ(50.2640, 63.4464, 53.5735)
contains.

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Color

**XYZ(50.1333, 63.2646,
53.2850)**

Conversions

Conversions Part 1

Format	Color
Hex	A7DDB5
RGB	167, 221, 181
RGB Percent	65%, 87%, 71%
CMY	0.3451, 0.1333, 0.2902
CMYK	0.24, 0.00, 0.18, 0.13
HSL	136°, 44%, 76%
HSV	136°, 24%, 87%
XYZ	50.1333, 63.2646, 53.2850
YIQ	200.2940, -19.3440, -23.8880

Conversions

Conversions Part 2

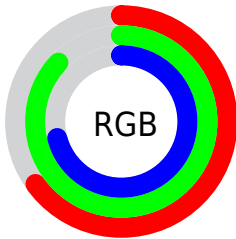
Format	Color
RYB	167, 210, 221
Decimal	11001269
CIELab	83.58, -25.24, 14.08
CIELCh	84, 28.908, 150.843
Yxy	63.2646, 0.3008, 0.3796
Android (android.graphics.Color)	4289191349 (0xFFA7DDB5)
YUV	200.2940, -9.5119, -29.1988
Hunter-Lab	79.5390, -26.6851, 15.9576

Details

The XYZ color **50.1333, 63.2646, 53.2850** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.9022, 47.5161, 65.3122**, and the grayscale version is **55.1477, 58.0196, 63.1834**.

A 20% lighter version of the original color is **81.4775, 93.3224, 93.8395**, and **24.4719, 32.4084, 25.3877** is the 20% darker color. If you saturate the color by 10%, you get **44.2753, 60.4293, 44.7518**, and if you desaturate by 10%, it is **56.9901, 66.5955, 62.8980**.

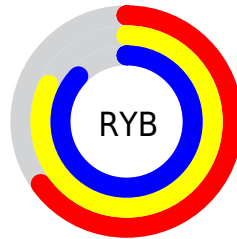
Distribution



Red (65%)

Green (87%)

Blue (71%)



Red (65%)

Yellow (82%)

Blue (87%)

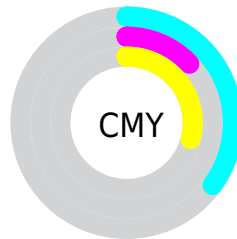


Cyan (24%)

Magenta (0%)

Yellow (18%)

Black (13%)



Cyan (35%)

Magenta (13%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1333, 63.2646, 53.2850 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 50.1333, 63.2646, 53.2850 by changing the saturation by 10% instead.

■ 50.1333, 63.2646,
53.2850

■ 50.1333, 63.2646,
53.2850

377.6304,
436.5291, 416.4749

■ 35.7376, 46.0553,
37.6411

■ 89.5630, 109.5512,
96.4694

■ 24.4007, 32.2895,
25.4046

■ 115.3276,
139.3972, 124.8469

■ 15.7575, 21.5827,
16.1570

145.6127,
174.2243, 158.3061

■ 9.4425, 13.5506,
9.4797

180.7834,
214.4168, 197.2654

■ 5.0903, 7.8088,
4.9543

221.2051,
260.3592, 242.1434

■ 2.3357, 3.9728,
2.1622

267.2433,

■ 0.8128, 1.6584,

312.4357, 293.3586

0.6524

319.2633,
371.0309, 351.3296

■ 0.0000, 0.3965,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.1333, 63.2646,
53.2850

■ 50.1333, 63.2646,
53.2850

■ 44.2753, 60.4293,
44.7518

■ 56.9901, 66.5955,
62.8980

■ 39.3634, 58.0580,
37.2566

■ 64.8846, 70.4361,
73.6226

■ 35.3482, 56.1277,
30.7606

■ 73.8600, 74.8096,
85.4942

■ 32.1733, 54.6102,
25.2215

■ 83.8069, 79.6590,
98.5387

■ 29.7758, 53.4742,
20.5935

■ 85.1477, 80.1953,
105.5992

■ 28.0833, 52.6833,
16.8271

■ 27.0088, 52.1938,
13.8680

■ 26.6036, 52.0137,
12.5471

Harmonies

Analogous

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



54.1151, 63.2646, 43.1214



50.1333, 63.2646, 53.2850



48.7831, 63.2646, 69.3973

Triad

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



50.1333, 63.2646, 53.2850



60.3099, 63.2646, 109.8601



71.1768, 63.2646, 52.5417

Complementary

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



50.1333, 63.2646, 53.2850



54.9022, 47.5161, 65.3122

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.



73.1152, 63.2646, 68.3740



50.1333, 63.2646, 53.2850



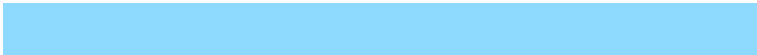
66.5772, 63.2646, 103.2842

Square

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



50.1333, 63.2646, 53.2850



54.4041, 63.2646, 103.9559



71.3769, 63.2646, 87.2650



66.2466, 63.2646, 42.7481

Rectangle

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



50.1333, 63.2646, 53.2850



49.4767, 63.2646, 82.0206



71.3769, 63.2646, 87.2650



72.2147, 63.2646, 57.2315

Sweetspot

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



50.1350, 63.2673, 53.2864



86.7288, 95.9478, 97.7780



58.7060, 67.8435, 46.5609



18.4174, 20.4657, 20.7312



0.0000, 0.0000, 0.0000



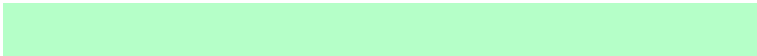
20.3446, 21.4041, 23.3091

Same Dimension

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



50.1350, 63.2673, 53.2864



65.2790, 85.5303, 67.8478



53.1185, 64.4607, 68.9975



13.0244, 14.6614, 14.5914



15.4932, 30.2299, 7.4963



1.0388, 1.9725, 0.6706

Inverse Universe

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



54.9022, 47.5161, 65.3122



72.8895, 60.3743, 87.0381



51.9287, 46.3267, 49.6538



13.4627, 13.2142, 15.6979



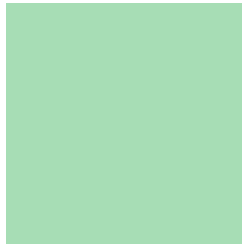
21.2479, 10.5002, 21.4833



1.4110, 0.6940, 1.5730

Previews

White Background



This preview shows how the XYZ color 50.1333, 63.2646, 53.2850 looks on a white background.

Color Contrast Check

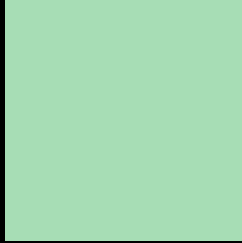
Large Text (above 18pt) WCAG AA × Fail

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 50.1333, 63.2646, 53.2850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

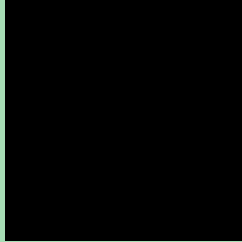
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1333, 63.2646, 53.2850

Background



This preview shows how black text looks on a background with the XYZ color 50.1333, 63.2646, 53.2850.



This preview shows how white text looks on a background with the XYZ color 50.1333, 63.2646,

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

50.1333, 63.2646, 53.2850

Protanopia

59.1662, 62.7417, 49.0364

Deuteranopia

64.0033, 62.6442, 54.6171



Tritanopia

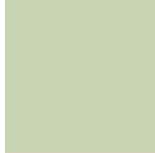
56.3749, 63.0928, 84.8082

Trichromacy



Original Color

50.1333, 63.2646, 53.2850



Protanomaly

55.2987, 62.5407, 50.7520



Deuteranomaly

58.0716, 62.4213, 54.3352



Tritanomaly

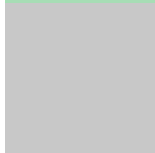
54.0567, 63.3140, 72.3225

Monochromacy



Original Color

50.1333, 63.2646, 53.2850



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.9206, 59.6534, 59.1771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1333, 63.2646, 53.2850 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, 221, 181)` looks like.

```
.text, #text, p{  
    color:rgb(167, 221, 181)  
}
```

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, 221, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 221, 181) }
```

Border

The CSS property to change the border of an element to XYZ 50.1333, 63.2646, 53.2850 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, 221, 181) }
```


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

```
.border{ border-color:rgb(167, 221, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 221, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 221, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 221, 181);  
box-shadow:4px 4px 4px 4px rgb(167, 221,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1333, 63.2646, 53.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 221, 181) }
```

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

```
.background{ background-color: rgb(167,  
221, 181) }
```

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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