

Converting Colors

XYZ(51.8426, 64.1056, 53.2369)

Have a look what the booklet for
XYZ(51.8426, 64.1056, 53.2369)
contains.

XYZ(51.8761, 64.1631, 53.3666)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.8761, 64.1631,
53.3666)**

Conversions

Conversions Part 1

Format	Color
Hex	AFDDB5
RGB	175, 221, 181
RGB Percent	69%, 87%, 71%
CMY	0.3137, 0.1333, 0.2902
CMYK	0.21, 0.00, 0.18, 0.13
HSL	128°, 40%, 78%
HSV	128°, 21%, 87%
XYZ	51.8761, 64.1631, 53.3666
YIQ	202.6860, -14.5760, -22.1920

Conversions

Conversions Part 2

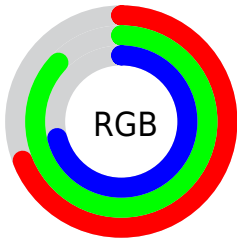
Format	Color
R _Y B	175, 216, 221
Decimal	11525557
CIE Lab	84.05, -22.64, 14.81
CIE LCh	84, 27.054, 146.803
Yxy	64.1631, 0.3062, 0.3788
Android (android.graphics.Color)	4289715637 (0xFFAFDDB5)
YUV	202.6860, -10.6912, -24.2806
Hunter-Lab	80.1019, -24.5769, 16.5703

Details

The XYZ color **51.8761, 64.1631, 53.3666** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **57.4167, 50.9397, 71.0989**, and the grayscale version is **56.6407, 59.5904, 64.8939**.

A 20% lighter version of the original color is **84.0011, 94.6233, 93.9576**, and **25.5585, 32.9685, 25.4386** is the 20% darker color. If you saturate the color by 10%, you get **45.4782, 61.0791, 43.4744**, and if you desaturate by 10%, it is **59.3613, 67.7799, 64.7323**.

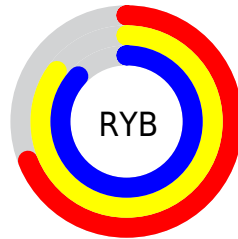
Distribution



Red (69%)

Green (87%)

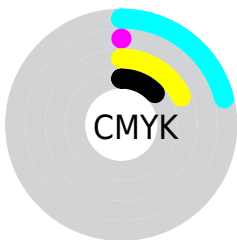
Blue (71%)



Red (69%)

Yellow (85%)

Blue (87%)

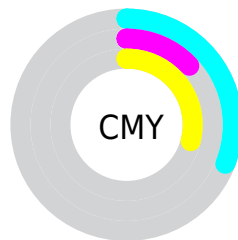


Cyan (21%)

Magenta (0%)

Yellow (18%)

Black (13%)



Cyan (31%)

Magenta (13%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8761, 64.1631, 53.3666 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 51.8761, 64.1631, 53.3666 by changing the saturation by 10% instead.

■ 51.8761, 64.1631,
53.3666

■ 51.8761, 64.1631,
53.3666

384.2899,
439.7784, 416.7962

■ 37.1302, 46.7828,
37.7058

■ 92.1238, 110.8458,
96.5906

■ 25.4824, 32.8640,
25.4544

118.3563,
140.9170, 124.9909

■ 16.5675, 22.0223,
16.1938

149.1484,
175.9872, 158.4747

■ 10.0200, 13.8733,
9.5056

184.8654,
216.4409, 197.4606

■ 5.4746, 8.0326,
4.9711

225.8727,
262.6625, 242.3672

■ 2.5659, 4.1158,
2.1719

272.5357,

■ 0.9286, 1.7385,

315.0363, 293.6129

0.6581

325.2196,
373.9468, 351.6164

■ 0.0000, 0.4484,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.8761, 64.1631,
53.3666

■ 51.8761, 64.1631,
53.3666

■ 45.4782, 61.0791,
43.4744

■ 59.3613, 67.7799,
64.7323

■ 40.1120, 58.4949,
34.9913

■ 67.9758, 71.9444,
77.6239

■ 35.7245, 56.3865,
27.8544

■ 77.7657, 76.6811,
92.0965

■ 32.2562, 54.7246,
21.9945

■ 85.1477, 80.1955,
105.5992

■ 29.6409, 53.4768,
17.3361

■ 27.8034, 52.6059,
13.7959

■ 26.6549, 52.0684,
11.2798

■ 26.0774, 51.8033,
9.7759

Harmonies

Analogous

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



55.9546, 64.1631, 44.4389



51.8761, 64.1631, 53.3666



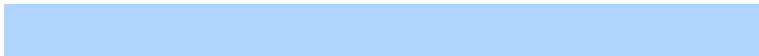
50.2282, 64.1631, 68.0457

Triad

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



51.8761, 64.1631, 53.3666



60.3473, 64.1631, 108.0900



71.8138, 64.1631, 56.0639

Complementary

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



51.8761, 64.1631, 53.3666



57.4167, 50.9397, 71.0989

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.



73.1776, 64.1631, 71.7118



51.8761, 64.1631, 53.3666



66.3084, 64.1631, 103.5006

Square

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



51.8761, 64.1631, 53.3666



54.9143, 64.1631, 101.1367



71.1025, 64.1631, 89.4497



67.4876, 64.1631, 45.8085

Rectangle

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



51.8761, 64.1631, 53.3666



50.6443, 64.1631, 79.8026



71.1025, 64.1631, 89.4497



72.6457, 64.1631, 60.7845

Sweetspot

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



51.8778, 64.1658, 53.3680



87.5748, 96.3853, 97.7536



61.8077, 69.3545, 50.6871



18.5780, 20.5499, 20.6738



0.0000, 0.0000, 0.0000



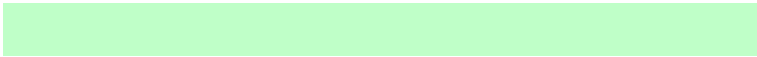
20.3446, 21.4041, 23.3091

Same Dimension

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



51.8778, 64.1658, 53.3680



67.6834, 86.7787, 67.5605



54.3608, 65.1590, 66.4432



12.9553, 14.6338, 14.2276



15.1712, 30.1011, 5.8012



1.0059, 1.9593, 0.4971

Inverse Universe

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



57.4167, 50.9397, 71.0989



76.6652, 65.3267, 96.3091



54.7355, 49.8673, 56.9798



13.5375, 13.2441, 16.0916



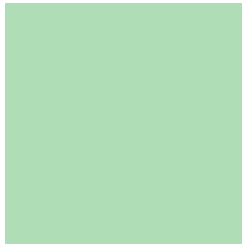
22.8903, 11.1572, 30.1323



1.5037, 0.7311, 2.0616

Previews

White Background



This preview shows how the XYZ color 51.8761, 64.1631, 53.3666 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 51.8761, 64.1631, 53.3666 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 51.8761, 64.1631, 53.3666

Background



This preview shows how black text looks on a background with the XYZ color 51.8761, 64.1631, 53.3666.

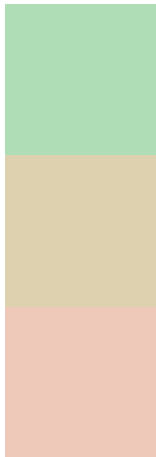


This preview shows how white text looks on a background with the XYZ color 51.8761, 64.1631,

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

51.8761, 64.1631, 53.3666

Protanopia

60.3571, 64.0682, 49.7427

Deuteranopia

64.9035, 63.4532, 54.7259



Tritanopia

58.2375, 64.0530, 84.8953

Trichromacy



Original Color

51.8761, 64.1631, 53.3666

Protanomaly

56.6319, 63.6002, 50.8862

Deuteranomaly

59.2319, 63.0195, 54.3895

Tritanomaly

55.8792, 64.2536, 72.4078

Monochromacy



Original Color

51.8761, 64.1631, 53.3666

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

54.8892, 61.3708, 60.5825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8761, 64.1631, 53.3666 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(175, 221, 181)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 221, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 221, 181) }
```

Border

The CSS property to change the border of an element to XYZ 51.8761, 64.1631, 53.3666 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(175, 221, 181) }
```


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

```
.border{ border-color:rgb(175, 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(175, 221, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 221, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 221, 181);  
box-shadow:4px 4px 4px 4px rgb(175, 221,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8761, 64.1631, 53.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 221, 181) }
```

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

```
.background{ background-color: rgb(175,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor