

# Converting Colors

XYZ(53.2952, 61.8669, 51.4785)

Have a look what the booklet for  
XYZ(53.2952, 61.8669, 51.4785)  
contains.

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# Color

**XYZ(53.3160, 61.8792,  
51.2533)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">BFD5B2</a>
RGB	<a href="#">191, 213, 178</a>
RGB Percent	<a href="#">75%, 84%, 70%</a>
CMY	<a href="#">0.2510, 0.1647, 0.3020</a>
CMYK	<a href="#">0.10, 0.00, 0.16, 0.16</a>
HSL	<a href="#">98°, 29%, 77%</a>
HSV	<a href="#">98°, 16%, 84%</a>
XYZ	<a href="#">53.3160, 61.8792, 51.2533</a>
YIQ	<a href="#">202.4320, -1.8770, -15.5490</a>

# Conversions

## Conversions Part 2

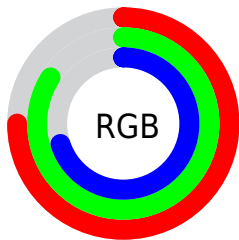
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 213, 200
Decimal	12572082
CIELab	82.85, -13.71, 14.85
CIELCh	83, 20.214, 132.721
Yxy	61.8792, 0.3203, 0.3718
Android (android.graphics.Color)	4290762162 (0xFFBFD5B2)
YUV	202.4320, -12.0450, -10.0259
Hunter-Lab	78.6633, -16.6781, 16.4338

# Details

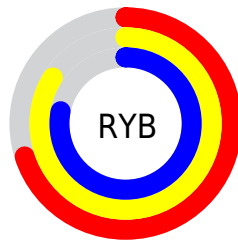
The XYZ color **53.3160, 61.8792, 51.2533** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.7525, 48.9259, 69.6700**, and the grayscale version is **56.4841, 59.4256, 64.7145**.

A 20% lighter version of the original color is **89.3227, 97.4170, 91.9374**, and **26.2451, 31.2528, 24.0512** is the 20% darker color. If you saturate the color by 10%, you get **48.1268, 59.4341, 40.7001**, and if you desaturate by 10%, it is **59.1486, 64.6212, 63.5727**.

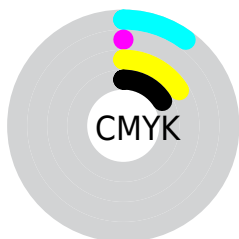
# Distribution



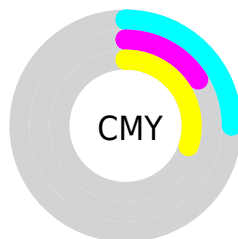
- Red (75%)
- Green (84%)
- Blue (70%)



- Red (70%)
- Yellow (84%)
- Blue (78%)



- Cyan (10%)
- Magenta (0%)
- Yellow (16%)
- Black (16%)




- Cyan (25%)
- Magenta (16%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3160, 61.8792, 51.2533 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 53.3160, 61.8792, 51.2533 by changing the saturation by 10% instead.





 53.3160, 61.8792,  
51.2533

 53.3160, 61.8792,  
51.2533

389.7374,  
431.4903, 408.4217

 38.2836, 44.9351,  
36.0321


 94.2320, 107.5509,  
93.4444

 26.3811, 31.4063,  
24.1691


120.8463,  
137.0473, 121.2514

 17.2431, 20.9084,  
15.2458


152.0519,  
171.4966, 154.0908

 10.5044, 13.0571,  
8.8435

188.2142,  
211.2832, 192.3810

 5.7994, 7.4679,  
4.5438

229.6985,  
256.7915, 236.5407

 2.7630, 3.7564,  
1.9282

276.8703,

 1.0297, 1.5382,

308.4058, 286.9883

0.5106

330.0948,  
366.5106, 344.1425

0.0000, 0.3154,  
0.0000

0.0000, 0.0000,  
0.0000

53.3160, 61.8792,  
51.2533

53.3160, 61.8792,  
51.2533

48.1268, 59.4341,  
40.7001

59.1486, 64.6212,  
63.5727

43.5525, 57.2676,  
31.8282

65.6417, 67.6619,  
77.7298

39.5696, 55.3713,  
24.5517

72.8182, 71.0133,  
93.7972

36.1514, 53.7334,  
18.7757

79.3487, 74.1445,  
104.7369

■ 33.2685, 52.3412,  
14.3950

■ 83.0855, 76.0709,  
104.9118

■ 30.8885, 51.1805,  
11.2910

■ 28.9747, 50.2355,  
9.3251

■ 27.4826, 49.4869,  
8.3216

■ 27.0287, 49.2577,  
8.0831

# Harmonies

## Analogous

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



56.9902, 61.8792, 46.5917



53.3160, 61.8792, 51.2533



51.1777, 61.8792, 60.5031

# Triad

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



53.3160, 61.8792, 51.2533



56.3628, 61.8792, 92.9585



67.3636, 61.8792, 62.2334

# Complementary

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



53.3160, 61.8792, 51.2533



51.7525, 48.9259, 69.6700

# 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.



67.1751, 61.8792, 74.7505



53.3160, 61.8792, 51.2533



60.6770, 61.8792, 93.5713

# Square

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



53.3160, 61.8792, 51.2533



52.8763, 61.8792, 84.9845



64.6782, 61.8792, 86.5680



65.1810, 61.8792, 52.3849



# Rectangle

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



53.3160, 61.8792, 51.2533



50.8427, 61.8792, 68.5205



64.6782, 61.8792, 86.5680



67.5784, 61.8792, 66.2441

# Sweetspot

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



53.3177, 61.8819, 51.2546



90.1771, 97.7173, 98.3099



56.0368, 58.4788, 50.4545



19.1594, 20.8489, 20.7360



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

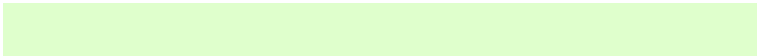


# Same Dimension

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



53.3177, 61.8819, 51.2546



77.0721, 91.5581, 70.7371



50.6083, 60.4371, 53.3004



12.6937, 14.1183, 13.2168



16.6133, 30.1408, 4.9421



1.0920, 1.8643, 0.3023



# Inverse Universe

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



51.7525, 48.9259, 69.6700



74.2548, 68.2488, 103.8674



54.8616, 50.5879, 67.1434



12.4852, 12.3915, 15.6713



13.4480, 6.0852, 38.9189



0.9012, 0.4134, 2.3516



# Previews

## White Background



This preview shows how the XYZ color 53.3160, 61.8792, 51.2533 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

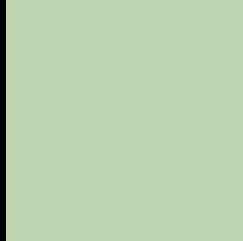
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.3160, 61.8792, 51.2533 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

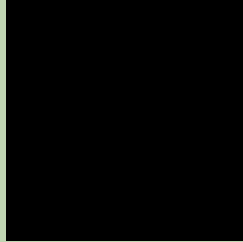
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

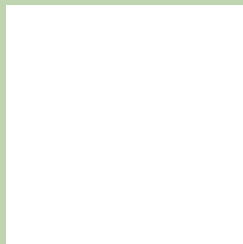
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.3160, 61.8792, 51.2533**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.3160, 61.8792, 51.2533.



This preview shows how white text looks on a background with the XYZ color 53.3160, 61.8792,



# 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

53.3160, 61.8792, 51.2533

### Protanopia

58.0866, 61.4703, 48.8479

### Deuteranopia

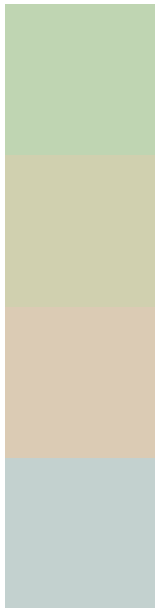
62.7955, 61.3865, 52.2552



## Tritanopia

58.9208, 61.9591, 78.6659

# Trichromacy



## Original Color

53.3160, 61.8792, 51.2533

## Protanomaly

56.3062, 61.6168, 49.4830

## Deuteranomaly

58.8076, 61.0672, 51.8677

## Tritanomaly

56.5686, 61.7080, 67.9608

# Monochromacy



## Original Color

53.3160, 61.8792, 51.2533

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

54.9856, 59.9986, 59.1349

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.3160, 61.8792, 51.2533 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(191, 213, 178)` looks like.

```
.text, #text, p{  
    color:rgb(191, 213, 178)  
}
```

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(191, 213, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 213, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 53.3160, 61.8792, 51.2533 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(191, 213, 178) }
```



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

```
.border{ border-color:rgb(191, 213, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 213, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 213, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 213, 178);  
box-shadow:4px 4px 4px 4px rgb(191, 213,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.3160, 61.8792, 51.2533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 213, 178) }
```

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

```
.background{ background-color: rgb(191,  
213, 178) }
```

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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