

# Converting Colors

XYZ(51.2455, 53.1188, 33.1949)

Have a look what the booklet for  
XYZ(51.2455, 53.1188, 33.1949)  
contains.

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# Color

**XYZ(51.3203, 53.2270,  
33.1602)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7BE8E
RGB	215, 190, 142
RGB Percent	84%, 75%, 56%
CMY	0.1569, 0.2549, 0.4431
CMYK	0.00, 0.12, 0.34, 0.16
HSL	39°, 48%, 70%
HSV	39°, 34%, 84%
XYZ	51.3203, 53.2270, 33.1602
YIQ	192.0030, 30.3080, -9.6280

# Conversions

## Conversions Part 2

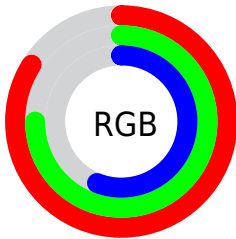
Format	Color
<a href="#">RYB</a>	<a href="#">180, 215, 142</a>
Decimal	<a href="#">14139022</a>
CIELab	<a href="#">78.01, 1.94, 27.52</a>
CIELCh	<a href="#">78, 27.592, 85.971</a>
Yxy	<a href="#">53.2270, 0.3727, 0.3865</a>
Android (android.graphics.Color)	<a href="#">4292329102</a> ( <a href="#">0xFFD7BE8E</a> )
YUV	<a href="#">192.0030, -24.6515, 20.1684</a>
Hunter-Lab	<a href="#">72.9568, -2.1115, 24.1214</a>

# Details

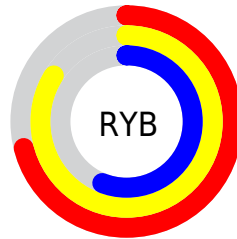
The XYZ color **51.3203, 53.2270, 33.1602** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.2395, 38.2934, 69.7187**, and the grayscale version is **50.2328, 52.8489, 57.5524**.

A 20% lighter version of the original color is **84.1596, 91.1571, 65.3839**, and **25.1321, 26.0176, 13.5948** is the 20% darker color. If you saturate the color by 10%, you get **48.3052, 49.5356, 24.9448**, and if you desaturate by 10%, it is **54.7300, 57.2089, 43.0444**.

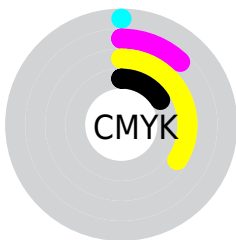
# Distribution



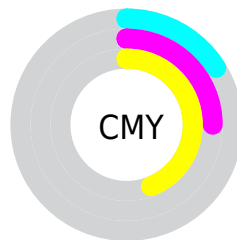
- Red (84%)
- Green (75%)
- Blue (56%)



- Red (71%)
- Yellow (84%)
- Blue (56%)



- Cyan (0%)
- Magenta (12%)
- Yellow (34%)
- Black (16%)



- Cyan (16%)
- Magenta (25%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3203, 53.2270, 33.1602 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 51.3203, 53.2270, 33.1602 by changing the saturation by 10% instead.



■ 51.3203, 53.2270,  
33.1602

■ 51.3203, 53.2270,  
33.1602

382.1741,  
399.1554, 331.0251

■ 36.6857, 37.9840,  
21.9771

■ 91.3082, 94.9383,  
65.7445

■ 25.1368, 25.9703,  
13.6419

■ 117.3922,  
122.1754, 87.9827

■ 16.3083, 16.8014,  
7.7361

148.0234,  
154.1794, 114.7430

■ 9.8348, 10.0930,  
3.8412

183.5671,  
191.3346, 146.4439

■ 5.3510, 5.4607,  
1.5387

224.3886,  
234.0254, 183.5041

■ 2.4915, 2.5200,  
0.2465

270.8534,

■ 0.8910, 0.8866,

282.6362, 226.3420

0.0000

323.3268,  
337.5514, 275.3761

■ 0.0000, 0.0000,  
0.0000

■ 51.3203, 53.2270,  
33.1602

■ 51.3203, 53.2270,  
33.1602

■ 48.3052, 49.5356,  
24.9448

■ 54.7300, 57.2089,  
43.0444

■ 45.6616, 46.1179,  
18.2999

■ 58.5480, 61.4829,  
54.6816

■ 43.3697, 42.9660,  
13.1219


■ 62.7921, 66.0599,  
68.1541

■ 41.4062, 40.0685,  
9.2933


■ 67.4778, 70.9478,  
83.5380


■ 39.7440, 37.4127,  
6.6782


■ 72.6198, 76.1542,  
100.9053

 38.3506, 34.9834,  
5.1120

 75.5471, 80.6125,  
106.1858

 37.6060, 33.6103,  
4.5054

 77.6888, 84.8959,  
106.8997

 79.9187, 89.3557,  
107.6429

 81.8344, 93.1871,  
108.2815

# Harmonies

## Analogous

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



56.5973, 53.2270, 36.7236



51.3203, 53.2270, 33.1602



46.1985, 53.2270, 35.2106

# Triad

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



51.3203, 53.2270, 33.1602



41.8567, 53.2270, 71.9069



59.6481, 53.2270, 76.1467

# Complementary

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



51.3203, 53.2270, 33.1602



37.2395, 38.2934, 69.7187

# 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.



55.2527, 53.2270, 88.8444



51.3203, 53.2270, 33.1602



45.0248, 53.2270, 86.1081

# Square

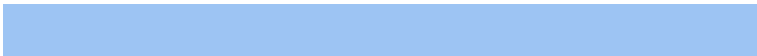
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.3203, 53.2270, 33.1602



40.9658, 53.2270, 55.9003



49.8680, 53.2270, 92.7776



61.6160, 53.2270, 60.0598



# Rectangle

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



51.3203, 53.2270, 33.1602



43.5179, 53.2270, 39.7218



49.8680, 53.2270, 92.7776



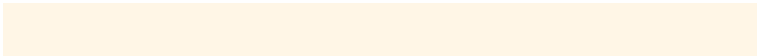
58.3910, 53.2270, 81.0565

# Sweetspot

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



51.3217, 53.2295, 33.1613



88.4904, 93.0203, 87.7861



44.7238, 36.6041, 41.5351



18.7545, 19.7081, 18.2033



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.



51.3217, 53.2295, 33.1613



72.1656, 74.2451, 39.5717



54.0988, 63.3985, 34.9778



13.0982, 13.7706, 13.1283



22.5949, 20.3070, 2.7288



1.4384, 1.3759, 0.1898



# Inverse Universe

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



37.2395, 38.2934, 69.7187



48.3218, 48.9692, 101.5129



35.0668, 31.0205, 68.4294



12.0868, 12.6969, 15.7512



8.8747, 6.0112, 39.1457



0.6111, 0.5142, 2.3864



# Previews

## White Background



This preview shows how the XYZ color 51.3203, 53.2270, 33.1602 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

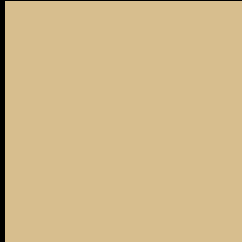
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.3203, 53.2270, 33.1602 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

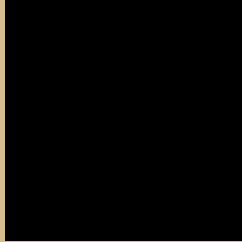
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.3203, 53.2270, 33.1602

## Background



This preview shows how black text looks on a background with the XYZ color 51.3203, 53.2270, 33.1602.



This preview shows how white text looks on a background with the XYZ color 51.3203, 53.2270,



# 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

51.3203, 53.2270, 33.1602

### Protanopia

49.7600, 53.3885, 33.6690

### Deuteranopia

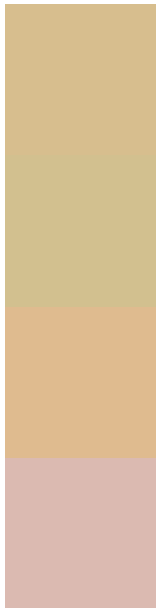
54.3018, 53.1751, 33.3884



## Tritanopia

56.8303, 53.2703, 60.1102

# Trichromacy



## Original Color

51.3203, 53.2270, 33.1602

## Protanomaly

50.3859, 53.3841, 33.6351

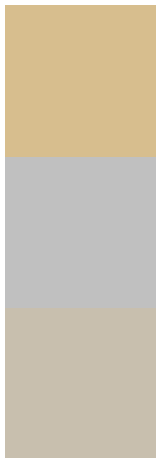
## Deuteranomaly

53.1597, 53.2118, 33.4557

## Tritanomaly

54.7081, 53.3522, 49.0095

# Monochromacy



## Original Color

51.3203, 53.2270, 33.1602

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

50.0902, 52.5970, 47.5566

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.3203, 53.2270, 33.1602 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(215, 190, 142)` looks like.

```
.text, #text, p{  
    color:rgb(215, 190, 142)  
}
```

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(215, 190, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 190, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 51.3203, 53.2270, 33.1602 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(215, 190, 142) }
```



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

```
.border{ border-color:rgb(215, 190, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 190, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 190, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 190, 142);  
box-shadow:4px 4px 4px 4px rgb(215, 190,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.3203, 53.2270, 33.1602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 190, 142) }
```

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

```
.background{ background-color: rgb(215,  
190, 142) }
```

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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