

# Converting Colors

XYZ(51.4768, 53.3066, 30.9342)

Have a look what the booklet for  
XYZ(51.4768, 53.3066, 30.9342)  
contains.

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# Color

**XYZ(51.4727, 53.3562,  
30.8784)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9BE88
RGB	217, 190, 136
RGB Percent	85%, 75%, 53%
CMY	0.1490, 0.2549, 0.4667
CMYK	0.00, 0.12, 0.37, 0.15
HSL	40°, 52%, 69%
HSV	40°, 37%, 85%
XYZ	51.4727, 53.3562, 30.8784
YIQ	191.9170, 33.4260, -11.0700

# Conversions

## Conversions Part 2

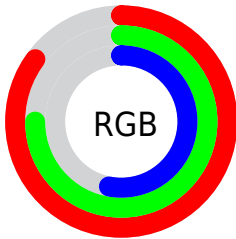
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 217, 136
Decimal	14270088
CIELab	78.08, 2.01, 30.82
CIELCh	78, 30.881, 86.261
Yxy	53.3562, 0.3793, 0.3932
Android (android.graphics.Color)	4292460168 (0xFFD9BE88)
YUV	191.9170, -27.5671, 21.9978
Hunter-Lab	73.0453, -2.0461, 26.0681

# Details

The XYZ color **51.4727, 53.3562, 30.8784** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.7746, 36.4373, 70.7933**, and the grayscale version is **50.1978, 52.8120, 57.5122**.

A 20% lighter version of the original color is **83.4900, 90.8892, 61.8582**, and **25.2833, 26.1243, 12.3042** is the 20% darker color. If you saturate the color by 10%, you get **48.5566, 49.7471, 23.0527**, and if you desaturate by 10%, it is **54.7815, 57.2506, 40.3765**.

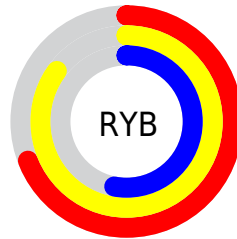
# Distribution



Red (85%)

Green (75%)

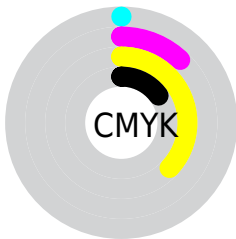
Blue (53%)



Red (69%)

Yellow (85%)

Blue (53%)

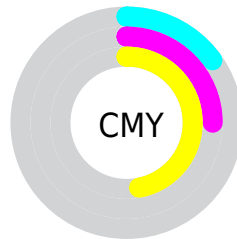


Cyan (0%)

Magenta (12%)

Yellow (37%)

Black (15%)



Cyan (15%)

Magenta (25%)

Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4727, 53.3562, 30.8784 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 51.4727, 53.3562, 30.8784 by changing the saturation by 10% instead.





 51.4727, 53.3562,  
30.8784

 51.4727, 53.3562,  
30.8784


382.7550,  
399.6502, 320.3115


 36.8075, 38.0872,  
20.2486


 91.5320, 95.1283,  
62.1259

 25.2315, 26.0504,  
12.3900


 117.6567,  
122.4002, 83.5807

 16.3793, 16.8613,  
6.8841


 148.3321,  
154.4419, 109.4808

 9.8855, 10.1357,  
3.3124

183.9234,  
191.6377, 140.2449

 5.3848, 5.4890,  
1.2563

224.7960,  
234.3720, 176.2915

 2.5118, 2.5369,  
0.0255

271.3152,

 0.9012, 0.8951,

283.0293, 218.0391

0.0000

323.8464,  
337.9939, 265.9063

0.0000, 0.0000,  
0.0000

51.4727, 53.3562,  
30.8784

51.4727, 53.3562,  
30.8784

48.5566, 49.7471,  
23.0527

54.7815, 57.2506,  
40.3765

46.0091, 46.4061,  
16.7960

58.4974, 61.4320,  
51.6356

43.8093, 43.3250,  
11.9983


62.6389, 65.9115,  
64.7419


41.9324, 40.4920,  
8.5338


67.2221, 70.6972,  
79.7750


40.3491, 37.8934,  
6.2551


72.2623, 75.7968,  
96.8097


 39.0208, 35.5118,  
4.9644

 75.9170, 80.4751,  
106.1397

 38.6918, 34.9048,  
4.6980

 78.0112, 84.6634,  
106.8378

 80.1903, 89.0217,  
107.5642

 82.4253, 93.4917,  
108.3092

# Harmonies

## Analogous

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



57.4240, 53.3562, 34.6421



51.4727, 53.3562, 30.8784



45.7582, 53.3562, 33.1318

# Triad

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



51.4727, 53.3562, 30.8784



41.0173, 53.3562, 74.0477



60.9704, 53.3562, 78.5411

# Complementary

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



51.4727, 53.3562, 30.8784



35.7746, 36.4373, 70.7933

# 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.



56.0142, 53.3562, 93.2195



51.4727, 53.3562, 30.8784



44.5472, 53.3562, 90.2854

# Square

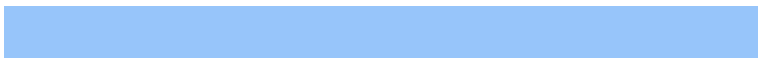
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.4727, 53.3562, 30.8784



40.0091, 53.3562, 55.9590



49.9617, 53.3562, 97.8923



63.1748, 53.3562, 60.2864



# Rectangle

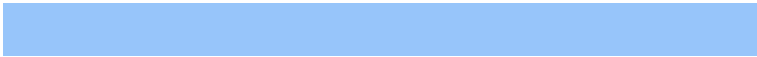
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.4727, 53.3562, 30.8784



42.7952, 53.3562, 38.0433



49.9617, 53.3562, 97.8923



59.5527, 53.3562, 84.1868

# Sweetspot

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



51.4740, 53.3587, 30.8795



87.9481, 92.5031, 85.8564



44.0307, 35.0050, 39.0869



18.6488, 19.6097, 17.8194



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.



51.4740, 53.3587, 30.8795



70.7423, 72.6613, 35.2042



54.0221, 64.1703, 32.8321



13.7776, 14.4946, 13.7972



23.5227, 21.3310, 2.8775



1.6019, 1.5379, 0.2124



# Inverse Universe

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



35.7746, 36.4373, 70.7933



44.9261, 44.8546, 100.8977



33.8150, 29.0554, 69.4718



12.6915, 13.3227, 16.5548



9.0841, 6.0376, 40.4250



0.6662, 0.5466, 2.6448



# Previews

## White Background



This preview shows how the XYZ color 51.4727, 53.3562, 30.8784 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

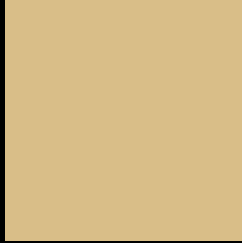
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.4727, 53.3562, 30.8784 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

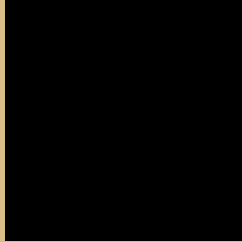
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.4727, 53.3562, 30.8784**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.4727, 53.3562, 30.8784.



This preview shows how white text looks on a background with the XYZ color 51.4727, 53.3562,

30.8784.

# 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

51.4727, 53.3562, 30.8784

### Protanopia

49.5977, 53.3560, 31.3516

### Deuteranopia

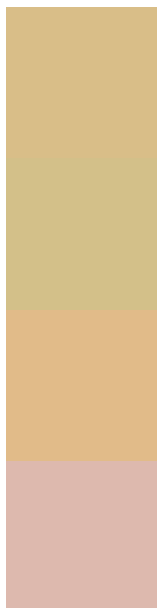
54.4974, 53.3271, 31.0877



## Tritanopia

57.1232, 53.1294, 59.4688

# Trichromacy



## Original Color

51.4727, 53.3562, 30.8784

## Protanomaly

50.2290, 53.3543, 31.3180

## Deuteranomaly

53.3370, 53.3543, 31.1542

## Tritanomaly

54.8077, 53.1261, 47.4101

# Monochromacy



## Original Color

51.4727, 53.3562, 30.8784

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

50.1646, 52.6577, 46.5497

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.4727, 53.3562, 30.8784 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(217, 190, 136)` looks like.

```
.text, #text, p{  
    color:rgb(217, 190, 136)  
}
```

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(217, 190, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 190, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 51.4727, 53.3562, 30.8784 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(217, 190, 136) }
```



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

```
.border{ border-color:rgb(217, 190, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 190, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 190, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 190, 136);  
box-shadow:4px 4px 4px 4px rgb(217, 190,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.4727, 53.3562, 30.8784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 190, 136) }
```

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

```
.background{ background-color: rgb(217,  
190, 136) }
```

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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