

# Converting Colors

XYZ(53.8005, 51.4261, 78.0512)

Have a look what the booklet for  
XYZ(53.8005, 51.4261, 78.0512)  
contains.

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# Color

**XYZ(53.8128, 51.3090,  
78.3015)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6B7E1
RGB	198, 183, 225
RGB Percent	78%, 72%, 88%
CMY	0.2235, 0.2823, 0.1176
CMYK	0.12, 0.19, 0.00, 0.12
HSL	261°, 41%, 80%
HSV	261°, 19%, 88%
XYZ	53.8128, 51.3090, 78.3015
YIQ	192.2730, -4.5420, 16.2420

# Conversions

## Conversions Part 2

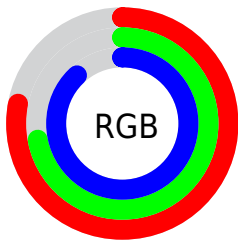
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	198, 183, 225
Decimal	13023201
CIE Lab	76.87, 13.35, -19.07
CIE LCh	77, 23.281, 304.999
Yxy	51.3090, 0.2934, 0.2797
Android (android.graphics.Color)	4291213281 (0xFFC6B7E1)
YUV	192.2730, 16.1344, 5.0226
Hunter-Lab	71.6303, 8.7464, -14.6707

# Details

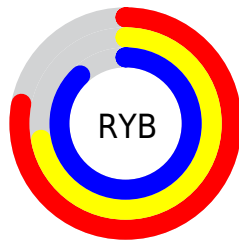
The XYZ color **53.8128, 51.3090, 78.3015** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **62.0525, 70.9722, 55.2307**, and the grayscale version is **50.1743, 52.7873, 57.4853**.

A 20% lighter version of the original color is **90.1565, 90.2130, 107.2688**, and **26.7399, 24.7968, 41.4071** is the 20% darker color. If you saturate the color by 10%, you get **45.9056, 40.8864, 76.7073**, and if you desaturate by 10%, it is **62.8292, 63.4073, 80.1623**.

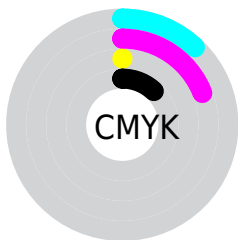
# Distribution



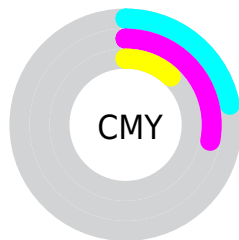
- Red (78%)
- Green (72%)
- Blue (88%)



- Red (78%)
- Yellow (72%)
- Blue (88%)



- Cyan (12%)
- Magenta (19%)
- Yellow (0%)
- Black (12%)



- Cyan (22%)
- Magenta (28%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8128, 51.3090, 78.3015 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 53.8128, 51.3090, 78.3015 by changing the saturation by 10% instead.



■ 53.8128, 51.3090,  
78.3015

■ 53.8128, 51.3090,  
78.3015

391.6058,  
391.7631, 508.7452

■ 38.6821, 36.4546,  
57.8038

■ 94.9578, 92.1114,  
132.7648

■ 26.6921, 24.7855,  
41.2373

121.7029,  
118.8281, 167.5674

■ 17.4775, 15.9173,  
28.1834

153.0501,  
150.2677, 207.9754

■ 10.6729, 9.4657,  
18.2237

189.3648,  
186.8147, 254.4074

■ 5.9130, 5.0461,  
10.9396

231.0123,  
228.8533, 307.2818

■ 2.8324, 2.2744,  
5.9126

278.3581,

■ 1.0658, 0.7601,

276.7679, 367.0172

2.7241

331.7675,  
330.9431, 434.0321

0.0000, 0.0000,  
0.9555

0.0000, 0.0000,  
0.0000

53.8128, 51.3090,  
78.3015

53.8128, 51.3090,  
78.3015

45.9056, 40.8864,  
76.7073

62.8292, 63.4073,  
80.1623

39.0575, 32.0575,  
75.3641

72.9926, 77.2455,  
82.2977

33.2214, 24.7428,  
74.2598

84.3447, 92.8924,  
84.7195

28.3446, 18.8535,  
73.3801

90.5908, 98.2163,  
85.4179

■ 24.3692, 14.2910,  
72.7090

■ 21.2301, 10.9438,  
72.2283

■ 18.8521, 8.6808,  
71.9169

■ 17.1276, 7.3080,  
71.7428

■ 16.9287, 7.1571,  
71.7241

# Harmonies

## Analogous

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



49.5129, 51.3090, 83.8299



53.8128, 51.3090, 78.3015



56.8931, 51.3090, 66.8121

# Triad

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



53.8128, 51.3090, 78.3015



52.4530, 51.3090, 36.5633



40.7726, 51.3090, 58.0173

# Complementary

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



53.8128, 51.3090, 78.3015



62.0525, 70.9722, 55.2307

# 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.



41.4552, 51.3090, 46.1873



53.8128, 51.3090, 78.3015



48.0299, 51.3090, 34.9366

# Square

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



53.8128, 51.3090, 78.3015



56.0754, 51.3090, 43.0226



44.0481, 51.3090, 38.1875



42.1241, 51.3090, 71.0423



# Rectangle

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



53.8128, 51.3090, 78.3015



57.7450, 51.3090, 58.0182



44.0481, 51.3090, 38.1875



40.7726, 51.3090, 53.7692

# Sweetspot

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



53.8144, 51.3111, 78.3026



86.8352, 88.8056, 107.1722



56.2415, 61.7467, 80.1890



18.4022, 18.7583, 22.9008



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.



53.8144, 51.3111, 78.3026



67.6440, 63.0707, 103.2164



59.6489, 54.3189, 78.5757



13.4117, 13.4802, 17.2828



9.8708, 4.1839, 41.3357



0.7794, 0.3391, 2.8696



# Inverse Universe

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



59.6194, 54.5298, 68.3581



76.6309, 68.0570, 87.6689



56.5350, 68.1278, 54.9724



14.0764, 13.8482, 16.1724



20.8804, 10.4191, 16.5676



1.4895, 0.7391, 1.3707



# Previews

## White Background



This preview shows how the XYZ color 53.8128, 51.3090, 78.3015 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

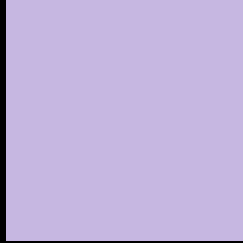
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.8128, 51.3090, 78.3015 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

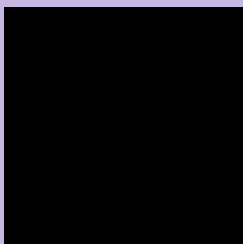
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.8128, 51.3090, 78.3015**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.8128, 51.3090, 78.3015.



This preview shows how white text looks on a background with the XYZ color 53.8128, 51.3090,



# 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

53.8128, 51.3090, 78.3015

### Protanopia

51.0429, 51.3916, 80.6281

### Deuteranopia

52.4254, 51.2105, 78.3557



## Tritanopia

50.6791, 51.2742, 63.1030

# Trichromacy



## Original Color

53.8128, 51.3090, 78.3015

## Protanomaly

51.9176, 51.2287, 79.8248

## Deuteranomaly

52.9792, 51.1866, 78.3218

## Tritanomaly

51.6974, 51.3731, 68.1640

# Monochromacy



## Original Color

53.8128, 51.3090, 78.3015

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

51.3448, 52.2242, 64.5008

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.8128, 51.3090, 78.3015 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(198, 183, 225)` looks like.

```
.text, #text, p{  
    color:rgb(198, 183, 225)  
}
```

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(198, 183, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 183, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 53.8128, 51.3090, 78.3015 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".

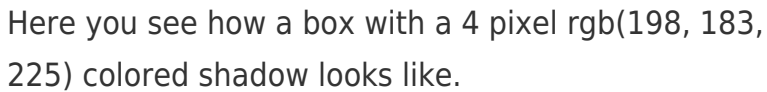
```
.border, #border, table{ border:4px solid rgb(198, 183, 225) }
```



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

```
.border{ border-color:rgb(198, 183, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 183, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 183, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 183, 225);  
box-shadow:4px 4px 4px 4px rgb(198, 183,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.8128, 51.3090, 78.3015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 183, 225) }
```

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

```
.background{ background-color: rgb(198,  
183, 225) }
```

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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