

# Converting Colors

XYZ(51.1696, 51.5244, 60.4570)

Have a look what the booklet for  
XYZ(51.1696, 51.5244, 60.4570)  
contains.

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# **Color**

**XYZ(51.2521, 51.6236,  
60.6892)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6BBC6
RGB	198, 187, 198
RGB Percent	78%, 73%, 78%
CMY	0.2235, 0.2666, 0.2235
CMYK	0.00, 0.06, 0.00, 0.22
HSL	300°, 9%, 75%
HSV	300°, 6%, 78%
XYZ	51.2521, 51.6236, 60.6892
YIQ	191.5430, 3.0250, 5.7530

# Conversions

## Conversions Part 2

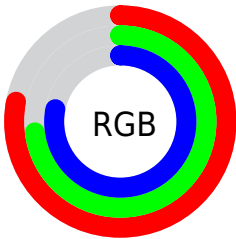
Format	Color
R <sub>Y</sub> B	198, 187, 198
Decimal	13024198
CIE Lab	77.06, 5.87, -4.15
CIE LCh	77, 7.190, 324.709
Yxy	51.6236, 0.3133, 0.3156
Android (android.graphics.Color)	4291214278 (0xFFC6BBC6)
YUV	191.5430, 3.1833, 5.6628
Hunter-Lab	71.8496, 1.5918, 0.2142

# Details

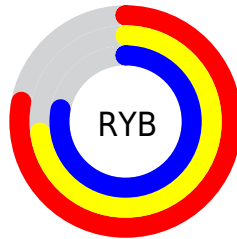
The XYZ color **51.2521, 51.6236, 60.6892** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.6592, 54.5423, 54.9267**, and the grayscale version is **49.8187, 52.4131, 57.0779**.

A 20% lighter version of the original color is **91.3406, 92.5812, 107.6635**, and **25.0607, 24.9931, 29.8889** is the 20% darker color. If you saturate the color by 10%, you get **47.3385, 43.7956, 59.3851**, and if you desaturate by 10%, it is **55.7479, 60.6143, 62.1886**.

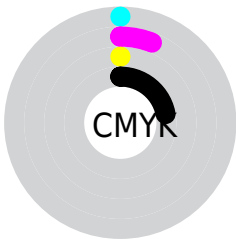
# Distribution



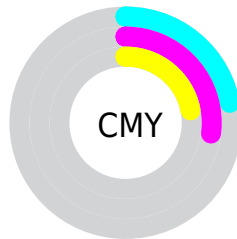
- Red (78%)
- Green (73%)
- Blue (78%)



- Red (78%)
- Yellow (73%)
- Blue (78%)



- Cyan (0%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)



- Cyan (22%)
- Magenta (27%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2521, 51.6236, 60.6892 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 51.2521, 51.6236, 60.6892 by changing the saturation by 10% instead.



■ 51.2521, 51.6236,  
60.6892

■ 51.2521, 51.6236,  
60.6892

381.9140,  
392.9818, 445.0085

■ 36.6311, 36.7051,  
43.5455

■ 91.2081, 92.5759,  
107.3819

■ 25.0944, 24.9793,  
29.9788

117.2738,  
119.3785, 137.7680

■ 16.2765, 16.0616,  
19.5706

147.8852,  
150.9113, 173.4053

■ 9.8121, 9.5678,  
11.9023

183.4075,  
187.5587, 214.7123

■ 5.3359, 5.1133,  
6.5555

224.2063,  
229.7050, 262.1076

■ 2.4824, 2.3139,  
3.1115

270.6467,

■ 0.8864, 0.7811,

277.7347, 316.0097

1.1518

323.0941,  
332.0322, 376.8371

■ 0.0000, 0.0000,  
0.0000

■ 51.2521, 51.6236,  
60.6892

■ 51.2521, 51.6236,  
60.6892

■ 47.3385, 43.7956,  
59.3851

■ 55.7479, 60.6143,  
62.1886

■ 43.9789, 37.0766,  
58.2651

■ 60.8435, 70.8055,  
63.8873

■ 41.1498, 31.4185,  
57.3219

■ 66.5615, 82.2415,  
65.7935

■ 38.8241, 26.7670,  
56.5464

■ 69.2424, 87.6033,  
66.6873

■ 36.9722, 23.0632,  
55.9290

■ 69.2425, 87.6033,  
66.6875

35.5615, 20.2421,  
55.4586

69.2425, 87.6033,  
66.6877

34.5556, 18.2302,  
55.1231

69.2426, 87.6034,  
66.6879

33.9117, 16.9425,  
54.9083

69.2426, 87.6034,  
66.6881

33.5775, 16.2742,  
54.7967

69.2426, 87.6034,  
66.6883

# Harmonies

## Analogous

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



50.1780, 51.6236, 63.3576



51.2521, 51.6236, 60.6892



51.7413, 51.6236, 56.9091

# Triad

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



51.2521, 51.6236, 60.6892



49.3104, 51.6236, 49.0154



46.7084, 51.6236, 59.4277

# Complementary

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



51.2521, 51.6236, 60.6892



49.6592, 54.5423, 54.9267

# 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.



46.4859, 51.6236, 55.5153



51.2521, 51.6236, 60.6892



47.9719, 51.6236, 49.6200

# Square

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



51.2521, 51.6236, 60.6892



50.6070, 51.6236, 50.2640



46.9443, 51.6236, 51.9555



47.5580, 51.6236, 62.6059



# Rectangle

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



51.2521, 51.6236, 60.6892



51.6634, 51.6236, 54.3123



46.9443, 51.6236, 51.9555



46.5585, 51.6236, 58.1500

# Sweetspot

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



51.2536, 51.6258, 60.6903



93.4445, 96.7891, 108.3648



48.4591, 50.1852, 60.5596



20.0178, 20.7505, 23.2001



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.



51.2536, 51.6258, 60.6903



89.6176, 89.1353, 107.0890



50.6307, 51.3767, 57.4101



11.2521, 11.1545, 13.4774



21.7738, 10.4591, 35.6144



1.0310, 0.4952, 1.6864



# Inverse Universe

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



51.2536, 51.6258, 60.6903



89.6176, 89.1353, 107.0890



50.2593, 54.7823, 58.0870



11.2521, 11.1545, 13.4774



21.7738, 10.4591, 35.6144

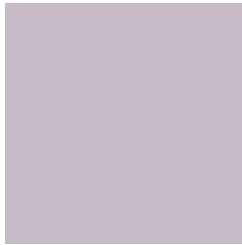


1.0310, 0.4952, 1.6864



# Previews

## White Background



This preview shows how the XYZ color 51.2521, 51.6236, 60.6892 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 51.2521, 51.6236, 60.6892 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

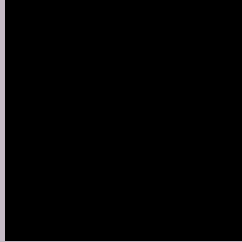
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.2521, 51.6236, 60.6892

## Background



This preview shows how black text looks on a background with the XYZ color 51.2521, 51.6236, 60.6892.



This preview shows how white text looks on a background with the XYZ color 51.2521, 51.6236,



# 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

51.2521, 51.6236, 60.6892

### Protanopia

49.9923, 51.5951, 61.3568

### Deuteranopia

52.7188, 51.7543, 60.6371



## Tritanopia

51.3902, 51.3406, 62.4595

# Trichromacy



## Original Color

51.2521, 51.6236, 60.6892

## Protanomaly

50.5402, 51.5593, 61.3210

## Deuteranomaly

52.1091, 51.7516, 60.6687

## Tritanomaly

51.2729, 51.2937, 61.8419

# Monochromacy



## Original Color

51.2521, 51.6236, 60.6892

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

50.3992, 52.1913, 58.4565

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.2521, 51.6236, 60.6892 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, 187, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 187, 198)  
}
```

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, 187, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 187, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 51.2521, 51.6236, 60.6892 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".

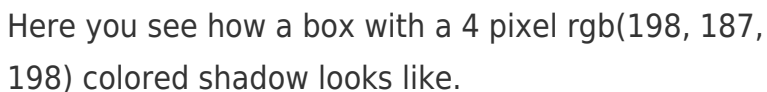
```
.border, #border, table{ border:4px solid rgb(198, 187, 198) }
```



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

```
.border{ border-color:rgb(198, 187, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 187, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 187, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 187, 198);  
box-shadow:4px 4px 4px 4px rgb(198, 187,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.2521, 51.6236, 60.6892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 187, 198) }
```

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

```
.background{ background-color: rgb(198,  
187, 198) }
```

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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