

# Converting Colors

XYZ(45.8753, 51.1939, 53.3493)

Have a look what the booklet for  
XYZ(45.8753, 51.1939, 53.3493)  
contains.

<b>XYZ(45.9532, 51.3165, 53.3820)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(45.9532, 51.3165,  
53.3820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0C2B9
RGB	176, 194, 185
RGB Percent	69%, 76%, 73%
CMY	0.3098, 0.2392, 0.2745
CMYK	0.09, 0.00, 0.05, 0.24
HSL	150°, 13%, 73%
HSV	150°, 9%, 76%
XYZ	45.9532, 51.3165, 53.3820
YIQ	187.5920, -7.8390, -6.6150

# Conversions

## Conversions Part 2

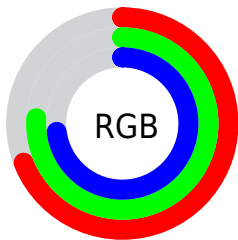
Format	Color
R <sub>Y</sub> B	176, 188, 194
Decimal	11584185
CIE Lab	76.87, -7.87, 2.42
CIE LCh	77, 8.236, 162.929
Yxy	51.3165, 0.3050, 0.3406
Android (android.graphics.Color)	4289774265 (0xFFB0C2B9)
YUV	187.5920, -1.2779, -10.1662
Hunter-Lab	71.6355, -10.8569, 5.9626

# Details

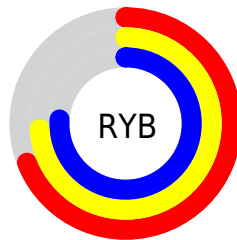
The XYZ color **45.9532, 51.3165, 53.3820** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.5323, 46.0240, 52.3323**, and the grayscale version is **47.5800, 50.0579, 54.5130**.

A 20% lighter version of the original color is **83.3415, 91.8779, 96.5607**, and **21.7113, 24.6331, 25.4401** is the 20% darker color. If you saturate the color by 10%, you get **40.8870, 48.8205, 47.9802**, and if you desaturate by 10%, it is **51.7192, 54.1680, 59.1835**.

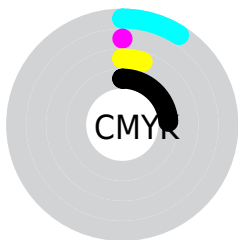
# Distribution



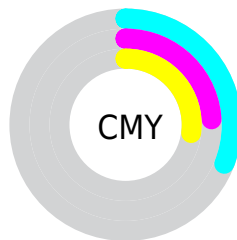
- Red (69%)
- Green (76%)
- Blue (73%)



- Red (69%)
- Yellow (74%)
- Blue (76%)



- Cyan (9%)
- Magenta (0%)
- Yellow (5%)
- Black (24%)



- Cyan (31%)
- Magenta (24%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9532, 51.3165, 53.3820 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 45.9532, 51.3165, 53.3820 by changing the saturation by 10% instead.



■ 45.9532, 51.3165,  
53.3820

■ 45.9532, 51.3165,  
53.3820

361.3396,  
391.7922, 416.8568

■ 32.4134, 36.4606,  
37.7180

■ 83.3772, 92.1224,  
96.6135

■ 21.8345, 24.7901,  
25.4638

107.9922,  
118.8412, 125.0180

■ 13.8513, 15.9207,  
16.2007

137.0295,  
150.2831, 158.5065

■ 8.0983, 9.4681,  
9.5104

170.8546,  
186.8324, 197.4975

■ 4.2102, 5.0477,  
4.9743

209.8327,  
228.8736, 242.4094

■ 1.8218, 2.2753,  
2.1737

254.3294,

■ 0.5307, 0.7606,

276.7910, 293.6609

0.6591

304.7099,  
330.9691, 351.6705

■ 0.0000, 0.0000,  
0.0000

■ 45.9532, 51.3165,  
53.3820

■ 45.9532, 51.3165,  
53.3820

■ 40.8870, 48.8205,  
47.9802

■ 51.7192, 54.1680,  
59.1835

■ 36.4883, 46.6593,  
42.9663

■ 58.2067, 57.3818,  
65.3897

■ 32.7288, 44.8199,  
38.3325

■ 65.4422, 60.9728,  
72.0096

■ 29.5764, 43.2859,  
34.0696

■ 73.4492, 64.9530,  
79.0509

■ 26.9962, 42.0394,  
30.1681

■ 75.3138, 65.7580,  
86.1966

■ 24.9492, 41.0607,  
26.6178

■ 76.7425, 66.3295,  
93.7201

■ 23.3917, 40.3271,  
23.4081

■ 78.2487, 66.9320,  
101.6515

■ 22.2720, 39.8125,  
20.5277

■ 78.5828, 67.0656,  
103.4109

■ 21.5001, 39.4705,  
17.9629

# Harmonies

## Analogous

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



46.7530, 51.3165, 49.7969



45.9532, 51.3165, 53.3820



45.8991, 51.3165, 57.8263

# Triad

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



45.9532, 51.3165, 53.3820



49.4515, 51.3165, 64.7064



51.0124, 51.3165, 50.2061

# Complementary

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



45.9532, 51.3165, 53.3820



46.5323, 46.0240, 52.3323

# 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.



51.7682, 51.3165, 53.9680



45.9532, 51.3165, 53.3820



50.8541, 51.3165, 62.4285

# Square

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



45.9532, 51.3165, 53.3820



47.8964, 51.3165, 64.5287



51.7096, 51.3165, 58.4443



49.6639, 51.3165, 48.0317



# Rectangle

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



45.9532, 51.3165, 53.3820



46.2914, 51.3165, 60.6940



51.7096, 51.3165, 58.4443



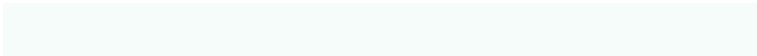
51.3455, 51.3165, 51.3180

# Sweetspot

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



45.9546, 51.3187, 53.3831



89.6113, 96.1126, 103.1755



47.2101, 52.0722, 48.6376



19.4354, 20.9544, 22.4054



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

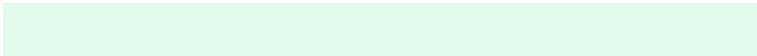


# Same Dimension

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



45.9546, 51.3187, 53.3831



81.4192, 92.0662, 94.8026



46.9020, 51.6976, 58.3717



10.1497, 11.3409, 11.7917



14.1433, 25.9514, 11.9137



0.6459, 1.1352, 0.6980



# Inverse Universe

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



46.5323, 46.0240, 52.3323



82.6631, 80.6639, 92.5396



45.6412, 45.6675, 47.6399



10.2785, 10.1600, 11.5573



16.0880, 8.1249, 8.3754



0.7299, 0.3650, 0.5451



# Previews

## White Background



This preview shows how the XYZ color 45.9532, 51.3165, 53.3820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

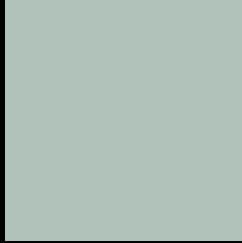
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.9532, 51.3165, 53.3820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

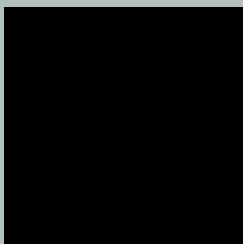
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

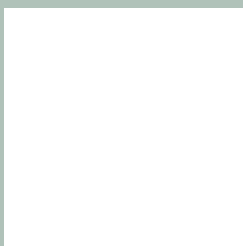
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 45.9532, 51.3165, 53.3820**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.9532, 51.3165, 53.3820.



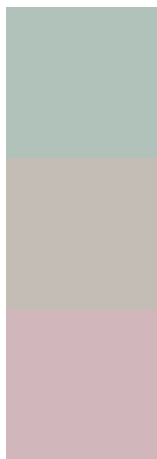
This preview shows how white text looks on a background with the XYZ color 45.9532, 51.3165,



# 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

45.9532, 51.3165, 53.3820

### Protanopia

49.1468, 51.3747, 51.5820

### Deuteranopia

52.1976, 51.0101, 54.1085



## **Tritanopia**

48.5938, 51.4211, 65.7566

# Trichromacy



## Original Color

45.9532, 51.3165, 53.3820

## Protanomaly

47.9171, 51.3719, 52.1900

## Deuteranomaly

49.6592, 50.9561, 53.6726

## Tritanomaly

47.6331, 51.3602, 60.8291

# Monochromacy



## Original Color

45.9532, 51.3165, 53.3820

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

47.1503, 50.6051, 54.2964

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9532, 51.3165, 53.3820 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(176, 194, 185) looks like.

```
.text, #text, p{  
    color:rgb(176, 194, 185)  
}
```

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(176, 194, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 194, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9532, 51.3165, 53.3820 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(176, 194, 185) }
```



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

```
.border{ border-color:rgb(176, 194, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 194, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 194, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 194, 185);  
box-shadow:4px 4px 4px 4px rgb(176, 194,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9532, 51.3165, 53.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 194, 185) }
```

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

```
.background{ background-color: rgb(176,  
194, 185) }
```

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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