

# Converting Colors

XYZ(43.4784, 61.8930, 50.8621)

Have a look what the booklet for  
XYZ(43.4784, 61.8930, 50.8621)  
contains.

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# Color

**XYZ(43.4903, 61.8873,  
50.7276)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DE2B0
RGB	125, 226, 176
RGB Percent	49%, 89%, 69%
CMY	0.5098, 0.1137, 0.3098
CMYK	0.45, 0.00, 0.22, 0.11
HSL	150°, 64%, 69%
HSV	150°, 45%, 89%
XYZ	43.4903, 61.8873, 50.7276
YIQ	190.1010, -44.1460, -36.9620

# Conversions

## Conversions Part 2

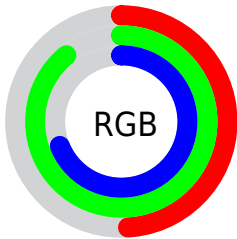
Format	Color
<a href="#">RYB</a>	<a href="#">125, 192, 226</a>
Decimal	<a href="#">8250032</a>
CIELab	<a href="#">82.85, -40.80, 15.39</a>
CIELCh	<a href="#">83, 43.609, 159.332</a>
Yxy	<a href="#">61.8873, 0.2786, 0.3964</a>
Android (android.graphics.Color)	<a href="#">4286440112 (0xFF7DE2B0)</a>
YUV	<a href="#">190.1010, -6.9518, -57.0936</a>
Hunter-Lab	<a href="#">78.6685, -38.9897, 16.8361</a>

# Details

The XYZ color **43.4903, 61.8873, 50.7276** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **46.4376, 33.9326, 44.6619**, and the grayscale version is **49.0601, 51.6151, 56.2088**.

A 20% lighter version of the original color is **69.6169, 87.2913, 89.5236**, and **20.3338, 31.4085, 23.7296** is the 20% darker color. If you saturate the color by 10%, you get **39.4972, 59.9531, 44.9987**, and if you desaturate by 10%, it is **48.3286, 64.2499, 56.9751**.

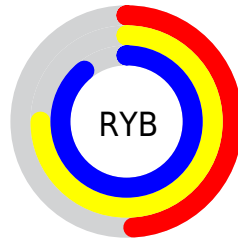
# Distribution



Red (49%)

Green (89%)

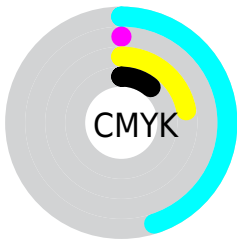
Blue (69%)



Red (49%)

Yellow (75%)

Blue (89%)

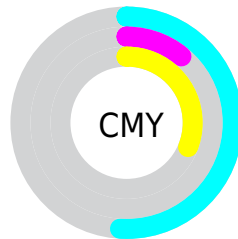


Cyan (45%)

Magenta (0%)

Yellow (22%)

Black (11%)



Cyan (51%)

Magenta (11%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.4903, 61.8873, 50.7276 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 43.4903, 61.8873, 50.7276 by changing the saturation by 10% instead.





 43.4903, 61.8873,  
50.7276


 43.4903, 61.8873,  
50.7276


351.5117,  
431.5199, 406.3208


 30.4662, 44.9416,  
35.6166


 79.7013, 107.5626,  
92.6594

 20.3425, 31.4115,  
23.8509


 103.6190,  
137.0611, 120.3173

 12.7540, 20.9124,  
15.0119


 131.8985,  
171.5126, 152.9945

 7.3352, 13.0600,  
8.6810

164.9052,  
211.3016, 191.1098

 3.7208, 7.4698,  
4.4398

203.0046,  
256.8124, 235.0815

 1.5454, 3.7576,  
1.8696

246.5618,

 0.3564, 1.5389,

308.4295, 285.3282

0.4733

295.9424,  
366.5372, 342.2685

■ 0.0000, 0.3159,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 43.4903, 61.8873,  
50.7276

■ 43.4903, 61.8873,  
50.7276

■ 39.4972, 59.9531,  
44.9987

■ 48.3286, 64.2499,  
56.9751

■ 36.2906, 58.4125,  
39.7703


■ 54.0559, 67.0585,  
63.7503


■ 33.8116, 57.2369,  
35.0290


■ 60.7189, 70.3383,  
71.0673


■ 31.9907, 56.3908,  
30.7592


■ 68.3594, 74.1108,  
78.9385

 30.7429, 55.8307,  
26.9441

 77.0166, 78.3960,  
87.3758

 30.2415, 55.6126,  
25.0953

 84.6354, 82.1341,  
96.2926

 86.3786, 82.8314,  
105.4722

 86.4875, 82.8750,  
106.0458

# Harmonies

## Analogous

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



48.1015, 61.8873, 34.7723



43.4903, 61.8873, 50.7276



42.7397, 61.8873, 76.1248

# Triad

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



43.4903, 61.8873, 50.7276



61.7995, 61.8873, 132.3953



73.9267, 61.8873, 39.6304

# Complementary

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



43.4903, 61.8873, 50.7276



46.4376, 33.9326, 44.6619

# 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.



78.5040, 61.8873, 59.3406



43.4903, 61.8873, 50.7276



71.0277, 61.8873, 115.8330

# Square

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



43.4903, 61.8873, 50.7276



52.6750, 61.8873, 128.2903



77.3901, 61.8873, 87.3393



65.4296, 61.8873, 29.6507



# Rectangle

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



43.4903, 61.8873, 50.7276



44.4399, 61.8873, 96.0314



77.3901, 61.8873, 87.3393



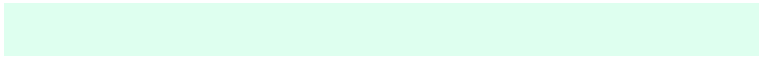
76.0138, 61.8873, 45.0899

# Sweetspot

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



43.4920, 61.8898, 50.7290



81.3575, 93.2336, 95.0510



48.6917, 65.0480, 29.3920



16.9641, 19.7340, 19.8684



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.



43.4920, 61.8898, 50.7290



52.0879, 78.9033, 59.4028



49.3833, 64.2464, 81.7525



13.8161, 15.4522, 16.0667



17.3121, 31.7497, 14.6327



1.2452, 2.2188, 1.2523



# Inverse Universe

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



46.4376, 33.9326, 44.6619



56.4430, 37.5753, 50.4374



42.4011, 32.3180, 23.4061



13.9887, 13.8131, 15.7108



19.6178, 9.9141, 9.9192



1.4050, 0.7053, 0.9255



# Previews

## White Background



This preview shows how the XYZ color 43.4903, 61.8873, 50.7276 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

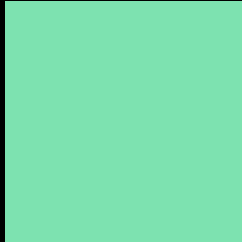
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.4903, 61.8873, 50.7276 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 43.4903, 61.8873, 50.7276**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.4903, 61.8873, 50.7276.



This preview shows how white text looks on a background with the XYZ color 43.4903, 61.8873,



# 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

43.4903, 61.8873, 50.7276

### Protanopia

57.3295, 61.1675, 44.8613

### Deuteranopia

62.2419, 61.0892, 52.7669



## Tritanopia

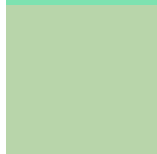
51.0269, 61.7744, 88.5911

# Trichromacy



## Original Color

43.4903, 61.8873, 50.7276



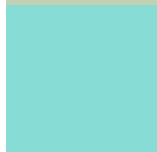
## Protanomaly

50.8171, 60.6811, 47.0645



## Deuteranomaly

53.0422, 59.8764, 51.9417



## Tritanomaly

47.9857, 61.7188, 73.0021

# Monochromacy



## Original Color

43.4903, 61.8873, 50.7276



## Achromatopsia

48.9429, 51.4918, 56.0745



## Achromatomaly

45.8388, 54.3216, 53.9681

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.4903, 61.8873, 50.7276 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(125, 226, 176)` looks like.

```
.text, #text, p{  
    color:rgb(125, 226, 176)  
}
```

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(125, 226, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 226, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 43.4903, 61.8873, 50.7276 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(125, 226, 176) }
```



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

```
.border{ border-color:rgb(125, 226, 176) }
```

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

Here you see how a box with a 4 pixel rgb(125, 226, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 226, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 226, 176);  
box-shadow:4px 4px 4px 4px rgb(125, 226,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.4903, 61.8873, 50.7276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 226, 176) }
```

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

```
.background{ background-color: rgb(125,  
226, 176) }
```

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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