

# Converting Colors

XYZ(43.4628, 56.6790, 51.5664)

Have a look what the booklet for  
XYZ(43.4628, 56.6790, 51.5664)  
contains.

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# Color

**XYZ(43.5341, 56.8131,  
51.8516)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90D5B4
RGB	144, 213, 180
RGB Percent	56%, 84%, 71%
CMY	0.4353, 0.1647, 0.2941
CMYK	0.32, 0.00, 0.15, 0.16
HSL	151°, 45%, 70%
HSV	151°, 32%, 84%
XYZ	43.5341, 56.8131, 51.8516
YIQ	188.6070, -30.5310, -24.8910

# Conversions

## Conversions Part 2

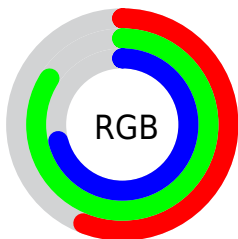
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 189, 213
Decimal	9491892
CIELab	80.07, -28.69, 9.46
CIELCh	80, 30.214, 161.747
Yxy	56.8131, 0.2860, 0.3733
Android (android.graphics.Color)	4287681972 (0xFF90D5B4)
YUV	188.6070, -4.2433, -39.1203
Hunter-Lab	75.3745, -28.8089, 11.9754

# Details

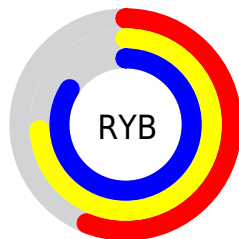
The XYZ color **43.5341, 56.8131, 51.8516** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.3516, 37.2684, 46.4005**, and the grayscale version is **48.1826, 50.6918, 55.2034**.

A 20% lighter version of the original color is **74.7197, 89.8555, 92.7626**, and **20.3720, 28.2102, 24.4501** is the 20% darker color. If you saturate the color by 10%, you get **39.1592, 54.6748, 46.4275**, and if you desaturate by 10%, it is **48.6903, 59.3484, 57.7129**.

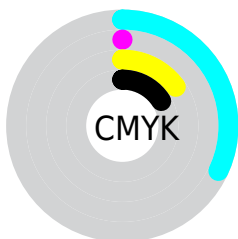
# Distribution



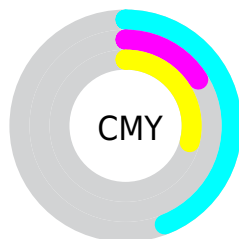
- Red (56%)
- Green (84%)
- Blue (71%)



- Red (56%)
- Yellow (74%)
- Blue (84%)



- Cyan (32%)
- Magenta (0%)
- Yellow (15%)
- Black (16%)




- Cyan (44%)
- Magenta (16%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.5341, 56.8131, 51.8516 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 43.5341, 56.8131, 51.8516 by changing the saturation by 10% instead.





 43.5341, 56.8131,  
51.8516


 43.5341, 56.8131,  
51.8516


351.6881,  
412.7486, 410.8041

 30.5007, 40.8552,  
36.5054


 79.7669, 100.1924,  
94.3367

 20.3689, 28.2060,  
24.5320


 103.6971,  
128.3826, 122.3126

 12.7733, 18.4810,  
15.5129


131.9902,  
161.4191, 155.3356

 7.3486, 11.2959,  
9.0295

165.0117,  
199.6862, 193.8241

 3.7293, 6.2662,  
4.6634

203.1269,  
243.5683, 238.1966

 1.5502, 3.0076,  
1.9959

246.7011,

 0.3596, 1.1357,

293.4498, 288.8718

0.5527

296.0997,  
349.7151, 346.2681

■ 0.0000, 0.0082,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 43.5341, 56.8131,  
51.8516

■ 43.5341, 56.8131,  
51.8516

■ 39.1592, 54.6748,  
46.4275

■ 48.6903, 59.3484,  
57.7129

■ 35.5197, 52.9055,  
41.4264

■ 54.6612, 62.2932,  
64.0177

■ 32.5720, 51.4844,  
36.8387

■ 61.4839, 65.6678,  
70.7768

■ 30.2657, 50.3858,  
32.6528

■ 69.1916, 69.4894,  
77.9996

■ 28.5430, 49.5799,  
28.8567

■ 77.8158, 73.7740,  
85.6951

■ 27.3348, 49.0315,  
25.4372

■ 80.9315, 75.2091,  
93.5700

■ 26.6716, 48.7411,  
23.0783

■ 82.4976, 75.8355,  
101.8168

■ 83.0853, 76.0706,  
104.9118

# Harmonies

## Analogous

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



46.5053, 56.8131, 39.8854



43.5341, 56.8131, 51.8516



43.2341, 56.8131, 69.0105

# Triad

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



43.5341, 56.8131, 51.8516



56.4414, 56.8131, 101.2721



63.3064, 56.8131, 41.9474

# Complementary

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



43.5341, 56.8131, 51.8516



45.3516, 37.2684, 46.4005

# 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.



66.4175, 56.8131, 55.2209



43.5341, 56.8131, 51.8516



62.2577, 56.8131, 90.7083

# Square

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



43.5341, 56.8131, 51.8516



50.3811, 56.8131, 99.8972



66.0197, 56.8131, 73.0795



57.7864, 56.8131, 34.9598



# Rectangle

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



43.5341, 56.8131, 51.8516



44.5587, 56.8131, 81.4350



66.0197, 56.8131, 73.0795



64.6868, 56.8131, 45.7035

# Sweetspot

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



43.5357, 56.8154, 51.8529



84.3809, 94.7196, 98.4742



47.0415, 58.9929, 35.2938



17.7629, 20.1266, 20.7760



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

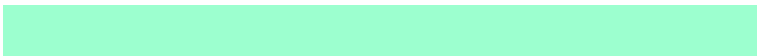


# Same Dimension

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



43.5357, 56.8154, 51.8529



60.6991, 83.0694, 72.1455



47.0198, 57.7479, 71.6218



12.5303, 14.0031, 14.6070



16.3435, 29.7927, 14.3703



1.0275, 1.8136, 1.0865



# Inverse Universe

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



45.3516, 37.2684, 46.4005



63.8463, 49.2035, 62.7039



42.6246, 36.4578, 31.1769



12.6681, 12.5188, 14.1926



18.2741, 9.2459, 8.7472



1.1439, 0.5743, 0.7471



# Previews

## White Background



This preview shows how the XYZ color 43.5341, 56.8131, 51.8516 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

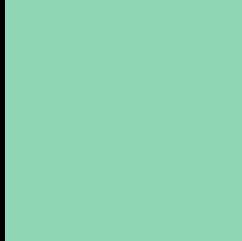
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.5341, 56.8131, 51.8516 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 43.5341, 56.8131, 51.8516**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.5341, 56.8131, 51.8516.



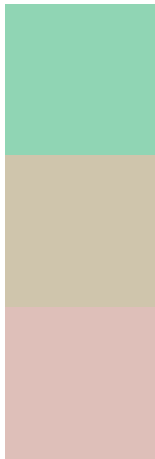
This preview shows how white text looks on a background with the XYZ color 43.5341, 56.8131,



# 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

43.5341, 56.8131, 51.8516

### Protanopia

53.1448, 56.1765, 47.0718

### Deuteranopia

57.5120, 56.2940, 53.7336



## Tritanopia

48.7690, 56.7257, 78.1908

# Trichromacy



**Original Color**

43.5341, 56.8131, 51.8516

**Protanomaly**

48.8610, 55.9974, 48.7908

**Deuteranomaly**

51.2188, 55.7351, 52.8582

**Tritanomaly**

46.6406, 56.5900, 67.4962

# Monochromacy



**Original Color**

43.5341, 56.8131, 51.8516

**Achromatopsia**

48.3692, 50.8881, 55.4172

**Achromatomaly**

46.2906, 52.8176, 54.2094

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.5341, 56.8131, 51.8516 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(144, 213, 180)` looks like.

```
.text, #text, p{  
    color:rgb(144, 213, 180)  
}
```

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(144, 213, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 213, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 43.5341, 56.8131, 51.8516 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(144, 213, 180) }
```



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

```
.border{ border-color:rgb(144, 213, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 213, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 213, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 213, 180);  
box-shadow:4px 4px 4px 4px rgb(144, 213,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.5341, 56.8131, 51.8516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 213, 180) }
```

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

```
.background{ background-color: rgb(144,  
213, 180) }
```

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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