

# Converting Colors

XYZ(45.8655, 56.6813, 39.4490)

Have a look what the booklet for  
XYZ(45.8655, 56.6813, 39.4490)  
contains.

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# Color

**XYZ(45.9504, 56.8517,  
39.5620)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ADD19B
RGB	173, 209, 155
RGB Percent	68%, 82%, 61%
CMY	0.3216, 0.1804, 0.3921
CMYK	0.17, 0.00, 0.26, 0.18
HSL	100°, 37%, 71%
HSV	100°, 26%, 82%
XYZ	45.9504, 56.8517, 39.5620
YIQ	192.0800, -4.1220, -24.4260

# Conversions

## Conversions Part 2

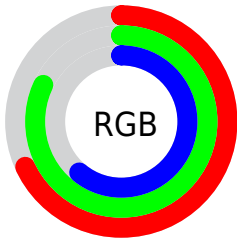
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 209, 191
Decimal	11391387
CIELab	80.10, -21.79, 22.97
CIELCh	80, 31.656, 133.486
Yxy	56.8517, 0.3228, 0.3993
Android (android.graphics.Color)	4289581467 (0xFFADD19B)
YUV	192.0800, -18.2804, -16.7332
Hunter-Lab	75.4001, -23.1684, 21.6709

# Details

The XYZ color **45.9504, 56.8517, 39.5620** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.7183, 39.1242, 65.5195**, and the grayscale version is **50.2560, 52.8732, 57.5790**.

A 20% lighter version of the original color is **79.7060, 92.8312, 74.6900**, and **21.7495, 28.0835, 17.1063** is the 20% darker color. If you saturate the color by 10%, you get **41.4230, 54.7050, 30.9673**, and if you desaturate by 10%, it is **51.1061, 59.2906, 49.7743**.

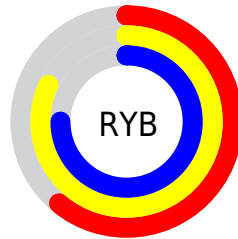
# Distribution



Red (68%)

Green (82%)

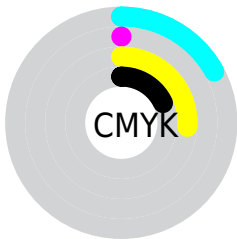
Blue (61%)



Red (61%)

Yellow (82%)

Blue (75%)

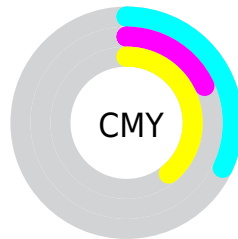


Cyan (17%)

Magenta (0%)

Yellow (26%)

Black (18%)



Cyan (32%)

Magenta (18%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9504, 56.8517, 39.5620 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 45.9504, 56.8517, 39.5620 by changing the saturation by 10% instead.





 45.9504, 56.8517,  
39.5620


 45.9504, 56.8517,  
39.5620


361.3285,  
412.8934, 359.7710

 32.4111, 40.8862,  
26.8860


 83.3731, 100.2488,  
75.7259

 21.8328, 28.2302,  
17.2560


 107.9872,  
128.4491, 100.0508

 13.8500, 18.4992,  
10.2533


137.0237,  
161.4965, 129.0958

 8.0974, 11.3090,  
5.4594

170.8478,  
199.7754, 163.2795

 4.2097, 6.2751,  
2.4558

209.8250,  
243.6701, 203.0203

 1.8214, 3.0131,  
0.8166

254.3206,

 0.5305, 1.1386,

293.5651, 248.7368

0.0000

304.7000,  
349.8447, 300.8475

■ 0.0000, 0.0106,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 45.9504, 56.8517,  
39.5620

■ 45.9504, 56.8517,  
39.5620

■ 41.4230, 54.7050,  
30.9673

■ 51.1061, 59.2906,  
49.7743

■ 37.4938, 52.8317,  
23.9036

■ 56.9094, 62.0249,  
61.6775

■ 34.1372, 51.2222,  
18.2819

■ 63.3846, 65.0671,  
75.3448

■ 31.3233, 49.8634,  
14.0025

■ 70.5529, 68.4269,  
90.8440

■ 29.0194, 48.7408,  
10.9529

■ 77.7011, 71.8198,  
104.3751

■ 27.1885, 47.8383,  
9.0024

■ 82.0916, 74.0832,  
104.5805

■ 25.7869, 47.1367,  
7.9890

■ 25.3029, 46.8927,  
7.7176

# Harmonies

## Analogous

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



51.1978, 56.8517, 33.4119



45.9504, 56.8517, 39.5620



43.0067, 56.8517, 52.3539

# Triad

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



45.9504, 56.8517, 39.5620



50.5901, 56.8517, 102.5322



67.0010, 56.8517, 53.9905

# Complementary

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



45.9504, 56.8517, 39.5620



44.7183, 39.1242, 65.5195

# 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.



66.8057, 56.8517, 72.5453



45.9504, 56.8517, 39.5620



56.9769, 56.8517, 103.2131

# Square

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



45.9504, 56.8517, 39.5620



45.5361, 56.8517, 89.6710



63.0181, 56.8517, 91.3792



63.5324, 56.8517, 40.5539



# Rectangle

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



45.9504, 56.8517, 39.5620



42.5889, 56.8517, 64.0844



63.0181, 56.8517, 91.3792



67.3695, 56.8517, 59.7694

# Sweetspot

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



45.9519, 56.8542, 39.5632



87.1097, 96.2662, 92.2847



50.8440, 53.1859, 38.5973



18.3419, 20.4622, 19.1272



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

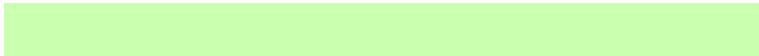


# Same Dimension

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



45.9519, 56.8542, 39.5632



68.0290, 87.2506, 54.3039



43.0206, 55.2524, 43.5205



12.0223, 13.3949, 12.5639



15.6942, 28.9596, 4.7626



0.9610, 1.6623, 0.2702



# Inverse Universe

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



44.7183, 39.1242, 65.5195



65.7681, 54.8521, 101.7289



48.4433, 41.1697, 60.0395



11.9120, 11.8035, 14.8941



13.8044, 6.2967, 37.6803



0.8541, 0.3945, 2.1107



# Previews

## White Background



This preview shows how the XYZ color 45.9504, 56.8517, 39.5620 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 45.9504, 56.8517, 39.5620 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 45.9504, 56.8517, 39.5620**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.9504, 56.8517, 39.5620.



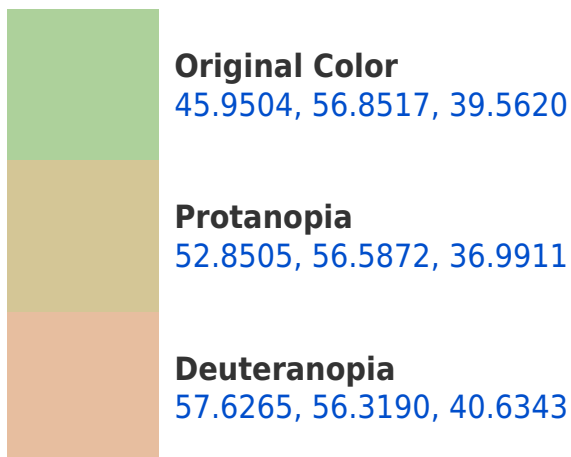
This preview shows how white text looks on a background with the XYZ color 45.9504, 56.8517,



# 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





## Tritanopia

52.9395, 56.8503, 73.8286

# Trichromacy



## Original Color

45.9504, 56.8517, 39.5620

## Protanomaly

50.0767, 56.5138, 37.9747

## Deuteranomaly

52.7161, 56.1028, 40.3982

## Tritanomaly

49.9209, 56.6645, 59.3452

# Monochromacy



## Original Color

45.9504, 56.8517, 39.5620

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

48.3384, 53.9571, 50.5149

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9504, 56.8517, 39.5620 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(173, 209, 155)` looks like.

```
.text, #text, p{  
    color:rgb(173, 209, 155)  
}
```

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(173, 209, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 209, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9504, 56.8517, 39.5620 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(173, 209, 155) }
```



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

```
.border{ border-color:rgb(173, 209, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 209, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 209, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 209, 155);  
box-shadow:4px 4px 4px 4px rgb(173, 209,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9504, 56.8517, 39.5620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 209, 155) }
```

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

```
.background{ background-color: rgb(173,  
209, 155) }
```

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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