

# Converting Colors

XYZ(43.8219, 56.2403, 9.1280)

Have a look what the booklet for  
XYZ(43.8219, 56.2403, 9.1280)  
contains.

<b>XYZ(43.6513, 55.9742, 9.0757)</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(43.6513, 55.9742,  
9.0757)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDD012
RGB	189, 208, 18
RGB Percent	74%, 82%, 7%
CMY	0.2588, 0.1843, 0.9293
CMYK	0.09, 0.00, 0.91, 0.18
HSL	66°, 84%, 44%
HSV	66°, 91%, 82%
XYZ	43.6513, 55.9742, 9.0757
YIQ	180.6590, 49.6660, -63.1180

# Conversions

## Conversions Part 2

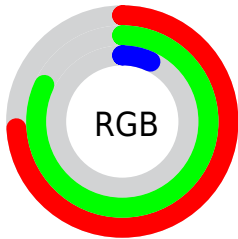
Format	Color
<a href="#">RYB</a>	<a href="#">18, 208, 37</a>
Decimal	<a href="#">12439570</a>
CIELab	<a href="#">79.60, -26.30, 77.46</a>
CIELCh	<a href="#">80, 81.804, 108.754</a>
Yxy	<a href="#">55.9742, 0.4016, 0.5149</a>
Android (android.graphics.Color)	<a href="#">4290629650</a> ( <a href="#">0xFFBDD012</a> )
YUV	<a href="#">180.6590, -80.1909, 7.3151</a>
Hunter-Lab	<a href="#">74.8159, -26.7821, 45.1788</a>

# Details

The XYZ color **43.6513, 55.9742, 9.0757** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed chartreuse. A complement of this color would be **12.3662, 5.3812, 60.0648**, and the grayscale version is **44.1395, 46.4382, 50.5712**.

A 20% lighter version of the original color is **76.6724, 92.3979, 23.4664**, and **20.9157, 27.9365, 4.2899** is the 20% darker color. If you saturate the color by 10%, you get **43.0989, 55.7040, 8.4804**, and if you desaturate by 10%, it is **44.4264, 56.3464, 10.4381**.

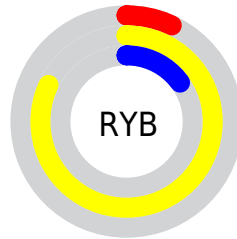
# Distribution



Red (74%)

Green (82%)

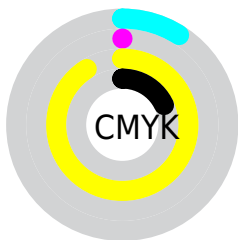
Blue (7%)



Red (7%)

Yellow (82%)

Blue (15%)

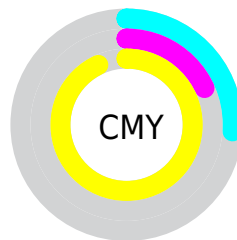


Cyan (9%)

Magenta (0%)

Yellow (91%)

Black (18%)



Cyan (26%)

Magenta (18%)


Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6513, 55.9742, 9.0757 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 43.6513, 55.9742, 9.0757 by changing the saturation by 10% instead.





 43.6513, 55.9742,  
9.0757


 43.6513, 55.9742,  
9.0757


352.1597,  
409.5943, 194.1804


 30.5932, 40.1822,  
4.6931


 79.9424, 98.9669,  
24.6219

 20.4396, 27.6807,  
2.0128


 103.9061,  
126.9363, 36.6225


 12.8251, 18.0851,  
0.5631


 132.2357,  
159.7338, 51.9996

 7.3844, 11.0111,  
0.0000

 165.2965,  
197.7436, 71.1717

 3.7521, 6.0743,  
0.0000

 203.4540,  
241.3501, 94.5572

 1.5629, 2.8903,  
0.0000

 247.0735,

 0.3680, 1.0747,

290.9378, 122.5749

0.0000

296.5202,  
346.8911, 155.6431

■ 0.0000, 0.0000,  
0.0000

■ 43.6513, 55.9742,  
9.0757

■ 43.6513, 55.9742,  
9.0757

■ 43.0989, 55.7040,  
8.4804

■ 44.4264, 56.3464,  
10.4381

■ 45.3961, 56.7952,  
12.7922

■ 46.5889, 57.3341,  
16.2818

■ 48.0274, 57.9721,  
21.0267

■ 49.7316, 58.7173,  
27.1312

■ 51.7193, 59.5768,  
34.6888

■ 54.0066, 60.5570,  
43.7849

■ 56.6085, 61.6639,  
54.4980

■ 59.5391, 62.9031,  
66.9015

# Harmonies

## Analogous

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



59.6236, 55.9742, 8.2389



43.6513, 55.9742, 9.0757



32.7573, 55.9742, 18.5601

# Triad

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



43.6513, 55.9742, 9.0757



34.9267, 55.9742, 157.8031



90.7224, 55.9742, 80.4122

# Complementary

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



43.6513, 55.9742, 9.0757



12.3662, 5.3812, 60.0648

# 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.



80.7584, 55.9742, 142.4854



43.6513, 55.9742, 9.0757



47.2585, 55.9742, 200.3019

# Square

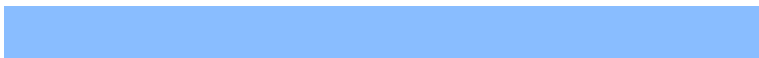
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



43.6513, 55.9742, 9.0757



28.4854, 55.9742, 95.0235



64.0526, 55.9742, 193.5808



89.1984, 55.9742, 36.1796



# Rectangle

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



43.6513, 55.9742, 9.0757



28.7973, 55.9742, 33.6223



64.0526, 55.9742, 193.5808



88.5347, 55.9742, 100.0988

# Sweetspot

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



43.6526, 55.9768, 9.0769



83.3902, 95.0486, 60.4891



26.7853, 14.7785, 2.0138



17.5906, 20.2333, 11.9310



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.



43.6526, 55.9768, 9.0769



68.2298, 88.2588, 13.4396



27.2838, 47.5384, 8.3108



12.6820, 13.7350, 12.5948



26.9068, 34.7399, 5.2873



1.5389, 1.9602, 0.2972



# Inverse Universe

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



12.3662, 5.3812, 60.0648



18.4636, 7.4332, 95.0694



21.1197, 9.8938, 60.4745



11.2718, 11.4735, 14.8642



7.3241, 2.9560, 37.3770



0.4478, 0.1850, 2.0917



# Previews

## White Background



This preview shows how the XYZ color 43.6513, 55.9742, 9.0757 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

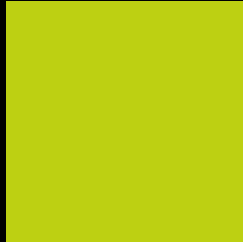
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.6513, 55.9742, 9.0757 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 43.6513, 55.9742, 9.0757**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.6513, 55.9742, 9.0757.



This preview shows how white text looks on a background with the XYZ color 43.6513, 55.9742,



# 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

43.6513, 55.9742, 9.0757

### Protanopia

50.1568, 55.4886, 8.4147

### Deuteranopia

56.8316, 55.6370, 9.5774



## Tritanopia

55.4804, 55.5807, 68.1256

# Trichromacy



## Original Color

43.6513, 55.9742, 9.0757

## Protanomaly

47.5443, 55.5066, 8.6235

## Deuteranomaly

51.4410, 55.4600, 9.2900

## Tritanomaly

48.4809, 54.4237, 32.7606

# Monochromacy



## Original Color

43.6513, 55.9742, 9.0757

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

41.9108, 48.8571, 25.6338

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.6513, 55.9742, 9.0757 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(189, 208, 18)` looks like.

```
.text, #text, p{  
    color:rgb(189, 208, 18)  
}
```

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(189, 208, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 208, 18) }
```

## Border

The CSS property to change the border of an element to XYZ 43.6513, 55.9742, 9.0757 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(189, 208, 18) }
```



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

```
.border{ border-color:rgb(189, 208, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 208, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 208, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 208, 18);  
box-shadow:4px 4px 4px 4px rgb(189, 208,  
18) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.6513, 55.9742, 9.0757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 208, 18) }
```

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

```
.background{ background-color: rgb(189,  
208, 18) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor