

# Converting Colors

XYZ(43.4268, 56.2617, 23.9000)

Have a look what the booklet for  
XYZ(43.4268, 56.2617, 23.9000)  
contains.

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# Color

**XYZ(43.4268, 56.2617,  
23.9000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AED270
RGB	174, 210, 112
RGB Percent	68%, 82%, 44%
CMY	0.3176, 0.1765, 0.5608
CMYK	0.17, 0.00, 0.47, 0.18
HSL	82°, 52%, 63%
HSV	82°, 47%, 82%
XYZ	43.4268, 56.2617, 23.9000
YIQ	188.0640, 10.0020, -38.1100

# Conversions

## Conversions Part 2

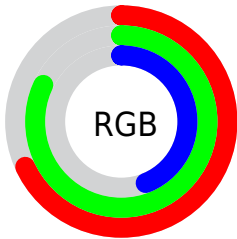
Format	Color
R <sub>YB</sub>	112, 210, 148
Decimal	11457136
CIE Lab	79.76, -27.67, 44.46
CIE LCh	80, 52.368, 121.892
Yxy	56.2617, 0.3514, 0.4552
Android (android.graphics.Color)	4289647216 (0xFFAED270)
YUV	188.0640, -37.4996, -12.3341
Hunter-Lab	75.0078, -27.9186, 33.6137

# Details

The XYZ color **43.4268, 56.2617, 23.9000** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **29.6420, 22.5389, 63.7641**, and the grayscale version is **48.0400, 50.5419, 55.0401**.

A 20% lighter version of the original color is **75.5065, 91.2255, 49.2260**, and **20.3094, 27.7727, 8.7051** is the 20% darker color. If you saturate the color by 10%, you get **40.7219, 54.9888, 18.3657**, and if you desaturate by 10%, it is **46.5059, 57.6996, 30.8775**.

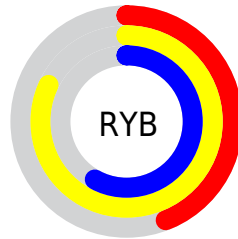
# Distribution



Red (68%)

Green (82%)

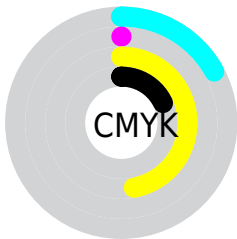
Blue (44%)



Red (44%)

Yellow (82%)

Blue (58%)

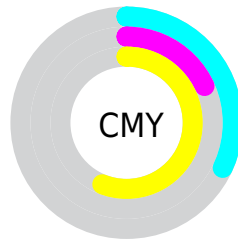


Cyan (17%)

Magenta (0%)

Yellow (47%)

Black (18%)



Cyan (32%)

Magenta (18%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.4268, 56.2617, 23.9000 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 43.4268, 56.2617, 23.9000 by changing the saturation by 10% instead.



■ 43.4268, 56.2617,  
23.9000

■ 43.4268, 56.2617,  
23.9000

351.2559,  
410.6770, 285.5848

■ 30.4161, 40.4128,  
15.0479

■ 79.6062, 99.3871,  
50.8087

■ 20.3043, 27.8605,  
8.7060

■ 103.5057,  
127.4324, 69.7025

■ 12.7260, 18.2206,  
4.4558

■ 131.7654,  
160.3119, 92.7806

■ 7.3158, 11.1084,  
1.8786

■ 164.7508,  
198.4101, 120.4616

■ 3.7085, 6.1398,  
0.4790

202.8272,  
242.1113, 153.1639

■ 1.5386, 2.9303,  
0.0000

246.3599,

■ 0.3518, 1.0954,

291.7999, 191.3062

0.0000

295.7144,  
347.8603, 235.3070

■ 0.0000, 0.0000,  
0.0000

■ 43.4268, 56.2617,  
23.9000

■ 43.4268, 56.2617,  
23.9000

■ 40.7219, 54.9888,  
18.3657

■ 46.5059, 57.6996,  
30.8775

■ 38.3662, 53.8648,  
14.1695

■ 49.9741, 59.3028,  
39.3861

■ 36.3377, 52.8827,  
11.1981


■ 53.8503, 61.0809,  
49.5112


■ 34.6092, 52.0315,  
9.3176


■ 58.1507, 63.0408,  
61.3306


■ 33.1461, 51.2970,  
8.3554


■ 62.8908, 65.1885,  
74.9171

 32.6973, 51.0701,  
8.1342

 68.0849, 67.5302,  
90.3395

 73.0950, 69.8108,  
104.2300

 75.5978, 71.1010,  
104.3472

 78.2113, 72.4483,  
104.4695

# Harmonies

## Analogous

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



52.8060, 56.2617, 19.5179



43.4268, 56.2617, 23.9000



37.4565, 56.2617, 37.6963

# Triad

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



43.4268, 56.2617, 23.9000



44.4477, 56.2617, 128.4001



76.5054, 56.2617, 59.3552

# Complementary

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



43.4268, 56.2617, 23.9000



29.6420, 22.5389, 63.7641

# 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.



73.5117, 56.2617, 93.0301



43.4268, 56.2617, 23.9000



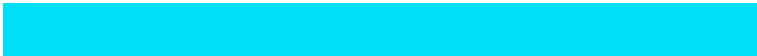
54.1498, 56.2617, 139.9367

# Square

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



43.4268, 56.2617, 23.9000



37.9889, 56.2617, 97.5035



64.9648, 56.2617, 125.2741



72.6841, 56.2617, 35.3361



# Rectangle

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



43.4268, 56.2617, 23.9000



35.7503, 56.2617, 53.4004



64.9648, 56.2617, 125.2741



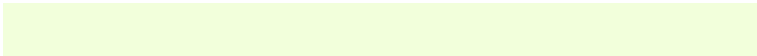
76.2615, 56.2617, 69.8540

# Sweetspot

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



43.4282, 56.2642, 23.9012



85.1640, 95.5071, 81.1712



40.0845, 36.0323, 20.1723



17.9282, 20.3052, 16.5624



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.



43.4282, 56.2642, 23.9012



63.1985, 85.3259, 28.5263



34.4402, 51.6307, 23.4806



12.3648, 13.5715, 12.5799



20.0578, 31.2091, 4.9668



1.2072, 1.7892, 0.2817



# Inverse Universe

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



29.6420, 22.5389, 63.7641



39.3133, 26.8158, 97.7117



40.4376, 28.1043, 64.2693



11.5680, 11.6261, 14.8780



9.0719, 3.8570, 37.4588



0.5936, 0.2602, 2.0985



# Previews

## White Background



This preview shows how the XYZ color 43.4268, 56.2617, 23.9000 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 43.4268, 56.2617, 23.9000 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 43.4268, 56.2617, 23.9000**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.4268, 56.2617, 23.9000.



This preview shows how white text looks on a background with the XYZ color 43.4268, 56.2617,

23.9000.

# 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

43.4268, 56.2617, 23.9000

### Protanopia

51.2883, 55.7669, 22.2483

### Deuteranopia

56.7907, 55.6015, 24.5686



## Tritanopia

52.8252, 55.8080, 71.6062

# Trichromacy



## Original Color

43.4268, 56.2617, 23.9000

## Protanomaly

47.9682, 55.7627, 22.7031

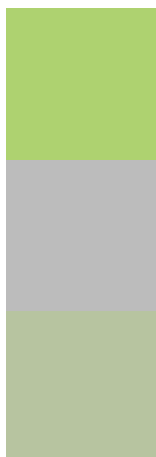
## Deuteranomaly

50.8588, 55.1647, 24.1870

## Tritanomaly

48.3477, 55.3605, 49.7324

# Monochromacy



## Original Color

43.4268, 56.2617, 23.9000

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

45.6135, 52.0852, 40.9071

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.4268, 56.2617, 23.9000 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(174, 210, 112)` looks like.

```
.text, #text, p{  
    color:rgb(174, 210, 112)  
}
```

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(174, 210, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 210, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 43.4268, 56.2617, 23.9000 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(174, 210, 112) }
```



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

```
.border{ border-color:rgb(174, 210, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 210, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 210, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 210, 112);  
box-shadow:4px 4px 4px 4px rgb(174, 210,  
112) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.4268, 56.2617, 23.9000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 210, 112) }
```

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

```
.background{ background-color: rgb(174,  
210, 112) }
```

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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