

# Converting Colors

XYZ(41.1456, 60.3532, 10.8472)

Have a look what the booklet for  
XYZ(41.1456, 60.3532, 10.8472)  
contains.

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# Color

**XYZ(41.1456, 60.3532,  
10.8472)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0DF20
RGB	160, 223, 32
RGB Percent	63%, 87%, 13%
CMY	0.3726, 0.1255, 0.8745
CMYK	0.28, 0.00, 0.86, 0.13
HSL	80°, 75%, 50%
HSV	80°, 86%, 87%
XYZ	41.1456, 60.3532, 10.8472
YIQ	182.3890, 23.7630, -72.7570

# Conversions

## Conversions Part 2

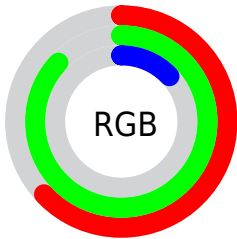
Format	Color
R <sub>Y</sub> B	32, 223, 95
Decimal	10542880
CIE Lab	82.03, -44.30, 76.30
CIE LCh	82, 88.232, 120.141
Yxy	60.3532, 0.3662, 0.5372
Android (android.graphics.Color)	4288732960 (0xFFA0DF20)
YUV	182.3890, -74.1418, -19.6352
Hunter-Lab	77.6873, -41.4137, 46.1027

# Details

The XYZ color **41.1456, 60.3532, 10.8472** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **18.5578, 8.7954, 70.5351**, and the grayscale version is **45.0608, 47.4074, 51.6267**.

A 20% lighter version of the original color is **67.2255, 87.4809, 25.1467**, and **19.2982, 30.4622, 4.8627** is the 20% darker color. If you saturate the color by 10%, you get **39.5118, 59.5369, 9.6881**, and if you desaturate by 10%, it is **43.0739, 61.3016, 13.0907**.

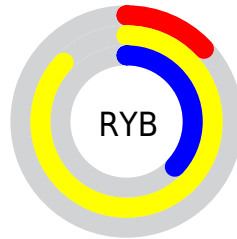
# Distribution



Red (63%)

Green (87%)

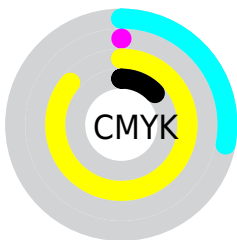
Blue (13%)



Red (13%)

Yellow (87%)

Blue (37%)

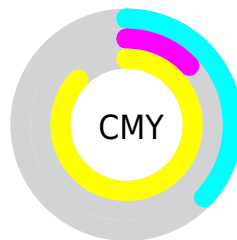


Cyan (28%)

Magenta (0%)

Yellow (86%)

Black (13%)



Cyan (37%)

Magenta (13%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1456, 60.3532, 10.8472 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 41.1456, 60.3532, 10.8472 by changing the saturation by 10% instead.



■ 41.1456, 60.3532,  
10.8472

■ 41.1456, 60.3532,  
10.8472

341.9810,  
425.8984, 207.3159

■ 28.6210, 43.7034,  
5.8513

■ 76.1782, 105.3419,  
28.0096

■ 18.9372, 30.4374,  
2.6876

■ 99.4169, 134.4495,  
41.0132

■ 11.7286, 20.1708,  
0.9372

■ 126.9578,  
168.4785, 57.5230

■ 6.6301, 12.5193,  
0.0000

■ 159.1661,  
207.8133, 77.9578

■ 3.2761, 7.0984,  
0.0000

■ 196.4072,  
252.8384, 102.7359

■ 1.3014, 3.5237,  
0.0000

■ 239.0465,

■ 0.1843, 1.4109,

303.9379, 132.2759

0.0000

287.4493,  
361.4965, 166.9964

■ 0.0000, 0.2247,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.1456, 60.3532,  
10.8472

■ 41.1456, 60.3532,  
10.8472

■ 39.5118, 59.5369,  
9.6881

■ 43.0739, 61.3016,  
13.0907

■ 38.8638, 59.2090,  
9.3801

■ 45.3297, 62.3891,  
16.6028

■ 47.9447, 63.6307,  
21.5376

■ 50.9453, 65.0370,  
28.0262

■ 54.3549, 66.6177,  
36.1849

■ 58.1948, 68.3813,  
46.1189

■ 62.4846, 70.3359,  
57.9248

■ 67.2426, 72.4890,  
71.6922

■ 72.4858, 74.8474,  
87.5048

# Harmonies

## Analogous

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



57.2753, 60.3532, 7.1757



41.1456, 60.3532, 10.8472



31.5022, 60.3532, 26.6399

# Triad

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



41.1456, 60.3532, 10.8472



41.2688, 60.3532, 201.4739



101.3245, 60.3532, 65.4608

# Complementary

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



41.1456, 60.3532, 10.8472



18.5578, 8.7954, 70.5351

# 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.



94.5130, 60.3532, 131.4219



41.1456, 60.3532, 10.8472



57.4526, 60.3532, 231.7016

# Square

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



41.1456, 60.3532, 10.8472



31.5617, 60.3532, 132.1212



77.3661, 60.3532, 200.9386



94.3894, 60.3532, 26.3998



# Rectangle

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



41.1456, 60.3532, 10.8472



28.7439, 60.3532, 49.6216



77.3661, 60.3532, 200.9386



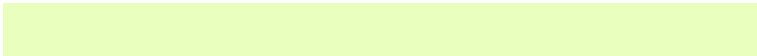
100.5513, 60.3532, 84.9571

# Sweetspot

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



41.1470, 60.3559, 10.8485



78.5591, 92.5264, 61.6924



34.5638, 23.5330, 4.0879



16.4141, 19.6208, 12.1492



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.



41.1470, 60.3559, 10.8485



52.5285, 80.1645, 12.7048



28.9664, 54.0766, 10.2785



14.4094, 15.7912, 14.5953



22.9742, 34.8761, 5.5209



1.6857, 2.4655, 0.3870



# Inverse Universe

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



18.5578, 8.7954, 70.5351



21.7169, 9.1104, 95.2216



34.5732, 17.0516, 71.2846



13.3758, 13.4618, 17.2811



9.5789, 4.0334, 41.3220

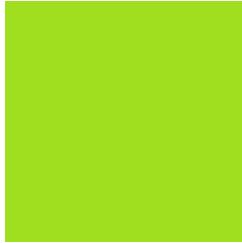


0.7562, 0.3271, 2.8685



# Previews

## White Background



This preview shows how the XYZ color 41.1456, 60.3532, 10.8472 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 41.1456, 60.3532, 10.8472 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 41.1456, 60.3532, 10.8472**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.1456, 60.3532, 10.8472.



This preview shows how white text looks on a background with the XYZ color 41.1456, 60.3532,



# 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

41.1456, 60.3532, 10.8472

### Protanopia

54.0924, 59.9183, 9.6917

### Deuteranopia

60.9996, 59.6758, 11.9180



## Tritanopia

54.8234, 59.8312, 79.1801

# Trichromacy



## Original Color

41.1456, 60.3532, 10.8472

## Protanomaly

48.4057, 59.5097, 10.0339

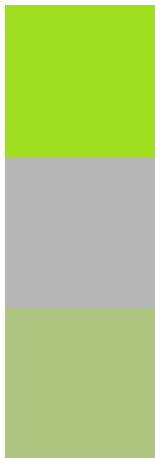
## Deuteranomaly

51.6212, 58.6066, 11.2808

## Tritanomaly

46.8606, 58.8058, 39.4527

# Monochromacy



## Original Color

41.1456, 60.3532, 10.8472

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

41.2526, 50.4635, 27.6449

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.1456, 60.3532, 10.8472 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(160, 223, 32)` looks like.

```
.text, #text, p{  
    color:rgb(160, 223, 32)  
}
```

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(160, 223, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 223, 32) }
```

## Border

The CSS property to change the border of an element to XYZ 41.1456, 60.3532, 10.8472 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(160, 223, 32) }
```



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

```
.border{ border-color:rgb(160, 223, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 223, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 223, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 223, 32);  
box-shadow:4px 4px 4px 4px rgb(160, 223,  
32) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.1456, 60.3532, 10.8472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 223, 32) }
```

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

```
.background{ background-color: rgb(160,  
223, 32) }
```

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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