

Converting Colors

XYZ(40.3685, 55.8971, 10.8993)

Have a look what the booklet for
XYZ(40.3685, 55.8971, 10.8993)
contains.

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Color

**XYZ(40.5925, 56.1979,
10.9933)**

Conversions

Conversions Part 1

Format	Color
Hex	A9D52B
RGB	169, 213, 43
RGB Percent	66%, 84%, 17%
CMY	0.3373, 0.1647, 0.8313
CMYK	0.21, 0.00, 0.80, 0.16
HSL	76°, 67%, 50%
HSV	76°, 80%, 84%
XYZ	40.5925, 56.1979, 10.9933
YIQ	180.4640, 28.3460, -62.1980

Conversions

Conversions Part 2

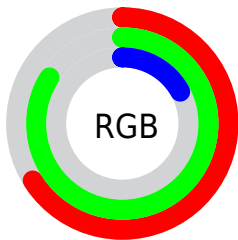
Format	Color
RYB	43, 213, 87
Decimal	11130155
CIELab	79.73, -36.08, 71.92
CIELCh	80, 80.458, 116.641
Yxy	56.1979, 0.3766, 0.5214
Android (android.graphics.Color)	4289320235 (0xFFA9D52B)
YUV	180.4640, -67.7698, -10.0539
Hunter-Lab	74.9653, -34.5343, 43.7811

Details

The XYZ color **40.5925, 56.1979, 10.9933** 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 **16.8067, 8.5595, 63.7204**, and the grayscale version is **43.9765, 46.2667, 50.3844**.

A 20% lighter version of the original color is **70.2536, 89.0135, 26.5753**, and **18.9090, 27.8985, 4.3883** is the 20% darker color. If you saturate the color by 10%, you get **39.1414, 55.4857, 9.3912**, and if you desaturate by 10%, it is **42.2999, 57.0224, 13.6736**.

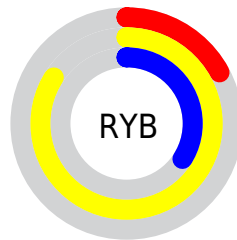
Distribution



Red (66%)

Green (84%)

Blue (17%)



Red (17%)

Yellow (84%)

Blue (34%)

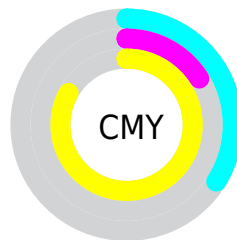


Cyan (21%)

Magenta (0%)

Yellow (80%)

Black (16%)



Cyan (34%)


Magenta (16%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5925, 56.1979, 10.9933 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 40.5925, 56.1979, 10.9933 by changing the saturation by 10% instead.


 40.5925, 56.1979,
10.9933


 40.5925, 56.1979,
10.9933


339.7063,
410.4369, 208.3574


 28.1871, 40.3616,
5.9482


 75.3435, 99.2939,
28.2842

 18.6079, 27.8206,
2.7453


 98.4198, 127.3223,
41.3672

 11.4896, 18.1905,
0.9661


 125.7838,
160.1837, 57.9665

 6.4669, 11.0868,
0.0000

 157.8009,
198.2622, 78.5007

 3.1743, 6.1253,
0.0000

 194.8363,
241.9424, 103.3883

 1.2466, 2.9214,
0.0000

 237.2554,

 0.1427, 1.0908,

291.6087, 133.0480

0.0000

285.4236,
347.6454, 167.8981

■ 0.0000, 0.0000,
0.0000

■ 40.5925, 56.1979,
10.9933

■ 40.5925, 56.1979,
10.9933

■ 39.1414, 55.4857,
9.3912

■ 42.2999, 57.0224,
13.6736

■ 37.8928, 54.8581,
8.6032

■ 44.2882, 57.9631,
17.5754

■ 37.8698, 54.8466,
8.5905

■ 46.5829, 59.0323,
22.8241

■ 49.2053, 60.2385,
29.5283

■ 52.1743, 61.5894,
37.7859

■ 55.5076, 63.0921,
47.6860

■ 59.2213, 64.7531,
59.3111

■ 63.3306, 66.5786,
72.7382

■ 67.8497, 68.5743,
88.0395

Harmonies

Analogous

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



55.2660, 56.1979, 8.2776



40.5925, 56.1979, 10.9933



31.3355, 56.1979, 23.9941

Triad

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



40.5925, 56.1979, 10.9933



38.0089, 56.1979, 170.5006



91.0739, 56.1979, 66.5837

Complementary

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



40.5925, 56.1979, 10.9933



16.8067, 8.5595, 63.7204

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.



83.9948, 56.1979, 124.7672



40.5925, 56.1979, 10.9933



51.6047, 56.1979, 201.0533

Square

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



40.5925, 56.1979, 10.9933



30.0701, 56.1979, 110.7282



68.6866, 56.1979, 181.0938



86.4947, 56.1979, 29.1950

Rectangle

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



40.5925, 56.1979, 10.9933



28.4159, 56.1979, 42.7554



68.6866, 56.1979, 181.0938



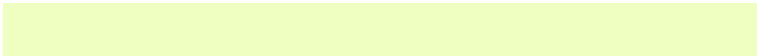
89.9485, 56.1979, 84.2820

Sweetspot

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



40.5938, 56.2004, 10.9945



81.1251, 93.7843, 64.7477



31.1667, 20.8985, 4.6774



16.9835, 19.9019, 12.7368



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.



40.5938, 56.2004, 10.9945



57.4609, 82.7008, 13.2272



28.0242, 49.7205, 10.4062



13.1445, 14.3507, 13.2379



23.2311, 33.5524, 5.2519



1.4763, 2.0625, 0.3203

Inverse Universe

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



16.8067, 8.5595, 63.7204



20.9516, 8.8802, 95.2175



29.5621, 15.1352, 64.3173



12.0410, 12.1625, 15.6505



8.3848, 3.4750, 38.6820



0.5835, 0.2497, 2.3367

Previews

White Background



This preview shows how the XYZ color 40.5925, 56.1979, 10.9933 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 40.5925, 56.1979, 10.9933 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 40.5925, 56.1979, 10.9933

Background



This preview shows how black text looks on a background with the XYZ color 40.5925, 56.1979, 10.9933.



This preview shows how white text looks on a background with the XYZ color 40.5925, 56.1979,

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

40.5925, 56.1979, 10.9933

Protanopia

50.4567, 55.6086, 9.9936

Deuteranopia

56.8419, 55.6003, 11.4774



Tritanopia

52.8252, 55.8080, 71.6062

Trichromacy



Original Color

40.5925, 56.1979, 10.9933

Protanomaly

46.3675, 55.5616, 10.2881

Deuteranomaly

49.5509, 54.7789, 11.0937

Tritanomaly

45.8458, 54.6822, 37.8441

Monochromacy



Original Color

40.5925, 56.1979, 10.9933

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

40.7834, 48.5411, 28.3389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5925, 56.1979, 10.9933 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(169, 213, 43)` looks like.

```
.text, #text, p{  
    color:rgb(169, 213, 43)  
}
```

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(169, 213, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 213, 43) }
```

Border

The CSS property to change the border of an element to XYZ 40.5925, 56.1979, 10.9933 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(169, 213, 43) }
```


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

```
.border{ border-color:rgb(169, 213, 43) }
```

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

Here you see how a box with a 4 pixel rgb(169, 213, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 213, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 213, 43);  
box-shadow:4px 4px 4px 4px rgb(169, 213,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5925, 56.1979, 10.9933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 213, 43) }
```

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

```
.background{ background-color: rgb(169,  
213, 43) }
```

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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