

Converting Colors

XYZ(42.9926, 62.2781, 16.4428)

Have a look what the booklet for
XYZ(42.9926, 62.2781, 16.4428)
contains.

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Color

**XYZ(42.9636, 62.3743,
16.4316)**

Conversions

Conversions Part 1

Format	Color
Hex	A0E24B
RGB	160, 226, 75
RGB Percent	63%, 89%, 29%
CMY	0.3725, 0.1137, 0.7059
CMYK	0.29, 0.00, 0.67, 0.11
HSL	86°, 72%, 59%
HSV	86°, 67%, 89%
XYZ	42.9636, 62.3743, 16.4316
YIQ	189.0520, 9.1350, -60.9530

Conversions

Conversions Part 2

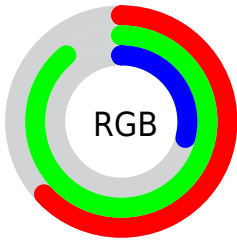
Format	Color
RYB	75, 226, 141
Decimal	10543691
CIELab	83.11, -43.48, 64.40
CIElCh	83, 77.705, 124.024
Yxy	62.3743, 0.3528, 0.5122
Android (android.graphics.Color)	4288733771 (0xFFA0E24B)
YUV	189.0520, -56.2276, -25.4786
Hunter-Lab	78.9774, -41.1067, 42.9486

Details

The XYZ color **42.9636, 62.3743, 16.4316** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **27.2307, 16.1876, 73.6444**, and the grayscale version is **48.7092, 51.2458, 55.8067**.

A 20% lighter version of the original color is **68.7702, 88.0641, 34.8462**, and **19.9682, 31.6330, 5.0533** is the 20% darker color. If you saturate the color by 10%, you get **40.4266, 61.1425, 12.9677**, and if you desaturate by 10%, it is **45.9351, 63.8024, 21.3519**.

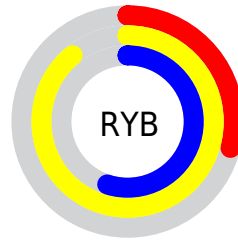
Distribution



Red (63%)

Green (89%)

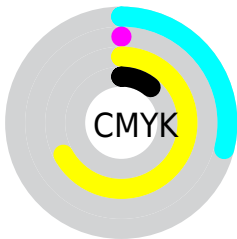
Blue (29%)



Red (29%)

Yellow (89%)

Blue (55%)

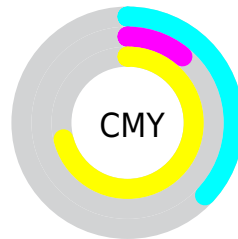


Cyan (29%)

Magenta (0%)

Yellow (67%)

Black (11%)



Cyan (37%)

Magenta (11%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9636, 62.3743, 16.4316 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 42.9636, 62.3743, 16.4316 by changing the saturation by 10% instead.


 42.9636, 62.3743,
16.4316


 42.9636, 62.3743,
16.4316


349.3861,
433.2951, 243.8073

 30.0510, 45.3352,
9.6724


 78.9120, 108.2663,
38.1230

 20.0255, 31.7215,
5.0796


 102.6784,
137.8880, 53.8924


 12.5220, 21.1489,
2.2345


 130.7935,
172.4727, 73.5022

 7.1749, 13.2329,
0.6942

 163.6226,
212.4049, 97.3710

 3.6190, 7.5891,
0.0000

 201.5311,
258.0687, 125.9174

 1.4890, 3.8332,
0.0000

244.8842,

 0.3183, 1.5807,

309.8488, 159.5599

0.0000

294.0475,
368.1295, 198.7170

■ 0.0000, 0.3445,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.9636, 62.3743,
16.4316

■ 42.9636, 62.3743,
16.4316

■ 40.4266, 61.1425,
12.9677

■ 45.9351, 63.8024,
21.3519

■ 38.2856, 60.0846,
10.7948


■ 49.3665, 65.4308,
27.8624


■ 36.4988, 59.1857,
9.7072


■ 53.2857, 67.2732,
36.0863


■ 35.9820, 58.9239,
9.4770


■ 57.7168, 69.3397,
46.1336

 62.6821, 71.6396,
58.1052

 68.2025, 74.1816,
72.0943

 74.2976, 76.9738,
88.1884

 80.8553, 79.9718,
105.7823

 84.2832, 81.7389,
105.9427

Harmonies

Analogous

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



57.0438, 62.3743, 11.0786



42.9636, 62.3743, 16.4316



34.6991, 62.3743, 34.8808

Triad

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



42.9636, 62.3743, 16.4316



46.2144, 62.3743, 189.8902



97.7646, 62.3743, 61.6193

Complementary

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



42.9636, 62.3743, 16.4316



27.2307, 16.1876, 73.6444

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.



93.3814, 62.3743, 117.1139



42.9636, 62.3743, 16.4316



61.5839, 62.3743, 208.5959

Square

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



42.9636, 62.3743, 16.4316



36.3118, 62.3743, 134.0636



79.2906, 62.3743, 177.2779



90.3420, 62.3743, 28.1463

Rectangle

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



42.9636, 62.3743, 16.4316



32.5800, 62.3743, 58.7182



79.2906, 62.3743, 177.2779



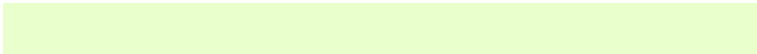
97.6306, 62.3743, 78.0253

Sweetspot

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



42.9651, 62.3770, 16.4329



80.1678, 93.1540, 70.8820



42.0780, 35.5621, 11.3039



16.7627, 19.7552, 14.2145



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.



42.9651, 62.3770, 16.4329



52.0474, 79.8474, 15.8009



32.2207, 56.8381, 15.9301



14.2632, 15.7159, 14.5885



20.6654, 33.6859, 5.4129



1.5347, 2.3876, 0.3800

Inverse Universe

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



27.2307, 16.1876, 73.6444



30.0781, 15.1781, 95.9521



44.5452, 25.1136, 74.4547



13.5177, 13.5349, 17.2877



10.8849, 4.7067, 41.3831



0.8559, 0.3785, 2.8732

Previews

White Background



This preview shows how the XYZ color 42.9636, 62.3743, 16.4316 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 42.9636, 62.3743, 16.4316 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 42.9636, 62.3743, 16.4316

Background



This preview shows how black text looks on a background with the XYZ color 42.9636, 62.3743, 16.4316.



This preview shows how white text looks on a background with the XYZ color 42.9636, 62.3743,

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

42.9636, 62.3743, 16.4316

Protanopia

56.3733, 62.0568, 14.8013

Deuteranopia

62.8254, 61.4780, 18.2281



Tritanopia

56.1202, 61.8933, 82.3875

Trichromacy



Original Color

42.9636, 62.3743, 16.4316



Protanomaly

50.3931, 61.5402, 15.3533



Deuteranomaly

53.4677, 60.4972, 17.4534



Tritanomaly

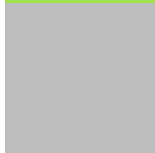
49.2358, 60.9745, 48.2040

Monochromacy



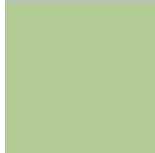
Original Color

42.9636, 62.3743, 16.4316



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.8259, 53.8442, 36.0474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9636, 62.3743, 16.4316 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, 226, 75)` looks like.

```
.text, #text, p{  
    color:rgb(160, 226, 75)  
}
```

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, 226, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 226, 75) }
```

Border

The CSS property to change the border of an element to XYZ 42.9636, 62.3743, 16.4316 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, 226, 75) }
```


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

```
.border{ border-color:rgb(160, 226, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 226, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 226, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 226, 75);  
box-shadow:4px 4px 4px 4px rgb(160, 226,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9636, 62.3743, 16.4316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 226, 75) }
```

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

```
.background{ background-color: rgb(160,  
226, 75) }
```

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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