

Converting Colors

XYZ(43.7796, 63.1927, 16.0493)

Have a look what the booklet for
XYZ(43.7796, 63.1927, 16.0493)
contains.

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Color

**XYZ(43.7430, 63.1926,
16.0228)**

Conversions

Conversions Part 1

Format	Color
Hex	A3E348
RGB	163, 227, 72
RGB Percent	64%, 89%, 28%
CMY	0.3608, 0.1098, 0.7176
CMYK	0.28, 0.00, 0.68, 0.11
HSL	85°, 73%, 59%
HSV	85°, 68%, 89%
XYZ	43.7430, 63.1926, 16.0228
YIQ	190.1940, 11.6110, -61.7730

Conversions

Conversions Part 2

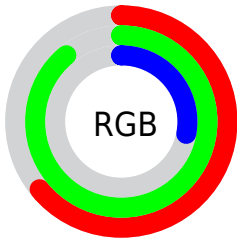
Format	Color
RYB	72, 227, 136
Decimal	10740552
CIELab	83.54, -43.03, 66.04
CIELCh	84, 78.820, 123.090
Yxy	63.1926, 0.3558, 0.5139
Android (android.graphics.Color)	4288930632 (0xFFA3E348)
YUV	190.1940, -58.2696, -23.8491
Hunter-Lab	79.4938, -40.8910, 43.6951

Details

The XYZ color **43.7430, 63.1926, 16.0228** 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 **26.3387, 15.4169, 74.2643**, and the grayscale version is **49.3778, 51.9493, 56.5728**.

A 20% lighter version of the original color is **69.4751, 88.4507, 33.8330**, and **20.5068, 32.1900, 5.1325** is the 20% darker color. If you saturate the color by 10%, you get **41.2865, 61.9986, 12.7305**, and if you desaturate by 10%, it is **46.6180, 64.5748, 20.7637**.

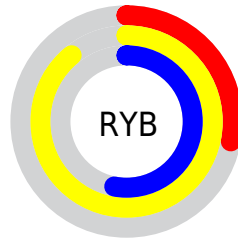
Distribution



Red (64%)

Green (89%)

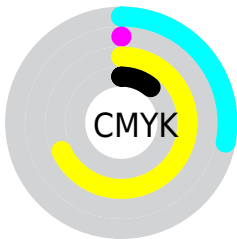
Blue (28%)



Red (28%)

Yellow (89%)

Blue (53%)

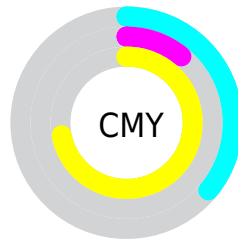


Cyan (28%)

Magenta (0%)

Yellow (68%)

Black (11%)



Cyan (36%)


Magenta (11%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.7430, 63.1926, 16.0228 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 43.7430, 63.1926, 16.0228 by changing the saturation by 10% instead.


 43.7430, 63.1926,
16.0228


 43.7430, 63.1926,
16.0228


352.5284,
436.2681, 241.3265

 30.6656, 45.9970,
9.3858


 80.0796, 109.4473,
37.4051

 20.4949, 32.2435,
4.8934


 104.0695,
139.2753, 52.9875


 12.8656, 21.5475,
2.1272


 132.4276,
174.0828, 72.3887

 7.4124, 13.5248,
0.6319

 165.5193,
214.2543, 96.0273

 3.7700, 7.7909,
0.0000

 203.7098,
260.1742, 124.3219

 1.5728, 3.9615,
0.0000

247.3646,

 0.3746, 1.6520,

312.2269, 157.6909

0.0000

296.8490,
370.7967, 196.5529

■ 0.0000, 0.3923,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.7430, 63.1926,
16.0228

■ 43.7430, 63.1926,
16.0228

■ 41.2865, 61.9986,
12.7305

■ 46.6180, 64.5748,
20.7637

■ 39.2093, 60.9702,
10.7150


■ 49.9371, 66.1492,
27.0913


■ 37.4638, 60.0903,
9.7361


■ 53.7284, 67.9297,
35.1322

■ 37.1853, 59.9491,
9.6115


■ 58.0160, 69.9261,
44.9992

 62.8223, 72.1477,
56.7954

 68.1680, 74.6031,
70.6161

 74.0725, 77.3005,
86.5503

 80.5543, 80.2473,
104.6820

 84.0072, 82.0016,
106.0080

Harmonies

Analogous

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



58.2961, 63.1926, 10.9198



43.7430, 63.1926, 16.0228



35.1172, 63.1926, 34.2011

Triad

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



43.7430, 63.1926, 16.0228



46.2925, 63.1926, 192.6835



99.5491, 63.1926, 63.8216

Complementary

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



43.7430, 63.1926, 16.0228



26.3387, 15.4169, 74.2643

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.



94.6784, 63.1926, 121.2469



43.7430, 63.1926, 16.0228



61.8646, 63.1926, 213.5123

Square

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



43.7430, 63.1926, 16.0228



36.3795, 63.1926, 134.6228



80.0072, 63.1926, 182.7088



92.2823, 63.1926, 28.9427

Rectangle

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



43.7430, 63.1926, 16.0228



32.8306, 63.1926, 58.0191



80.0072, 63.1926, 182.7088



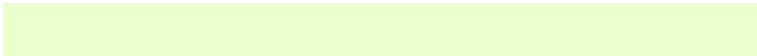
99.2800, 63.1926, 80.8532

Sweetspot

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



43.7445, 63.1954, 16.0242



80.5711, 93.3619, 70.9008



41.3759, 33.8513, 10.4850



16.8595, 19.8050, 14.2190



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.



43.7445, 63.1954, 16.0242



52.5392, 80.1133, 15.2687



32.6182, 57.4596, 15.5035



14.9961, 16.5051, 15.2999



21.8211, 35.0307, 5.6115



1.7175, 2.6428, 0.4196

Inverse Universe

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



26.3387, 15.4169, 74.2643



28.5773, 14.0916, 95.8215



43.1925, 24.1054, 75.0531



14.1438, 14.1763, 18.1352



10.8880, 4.6788, 42.7124



0.9081, 0.3991, 3.1611

Previews

White Background



This preview shows how the XYZ color 43.7430, 63.1926, 16.0228 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 43.7430, 63.1926, 16.0228 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 43.7430, 63.1926, 16.0228

Background



This preview shows how black text looks on a background with the XYZ color 43.7430, 63.1926, 16.0228.



This preview shows how white text looks on a background with the XYZ color 43.7430, 63.1926,

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

43.7430, 63.1926, 16.0228

Protanopia

56.8477, 62.6728, 14.4111

Deuteranopia

63.5918, 62.5112, 20.0235



Tritanopia

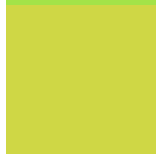
57.2148, 62.8114, 83.2370

Trichromacy



Original Color

43.7430, 63.1926, 16.0228



Protanomaly

51.1067, 62.2959, 14.9609



Deuteranomaly

54.6861, 61.8351, 18.2856



Tritanomaly

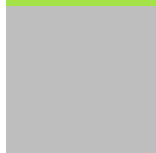
50.1637, 61.8344, 48.3210

Monochromacy



Original Color

43.7430, 63.1926, 16.0228



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

45.4448, 54.5218, 35.7323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7430, 63.1926, 16.0228 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(163, 227, 72)` looks like.

```
.text, #text, p{  
    color:rgb(163, 227, 72)  
}
```

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(163, 227, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 227, 72) }
```

Border

The CSS property to change the border of an element to XYZ 43.7430, 63.1926, 16.0228 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(163, 227, 72) }
```


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

```
.border{ border-color:rgb(163, 227, 72) }
```

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

Here you see how a box with a 4 pixel rgb(163, 227, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 227, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 227, 72);  
box-shadow:4px 4px 4px 4px rgb(163, 227,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7430, 63.1926, 16.0228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 227, 72) }
```

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

```
.background{ background-color: rgb(163,  
227, 72) }
```

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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