

Converting Colors

XYZ(42.5139, 63.7176, 10.7986)

Have a look what the booklet for
XYZ(42.5139, 63.7176, 10.7986)
contains.

XYZ(42.7397, 64.0225, 10.8640)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.7397, 64.0225,
10.8640)**

Conversions

Conversions Part 1

Format	Color
Hex	9FE616
RGB	159, 230, 22
RGB Percent	62%, 90%, 9%
CMY	0.3765, 0.0980, 0.9137
CMYK	0.31, 0.00, 0.90, 0.10
HSL	80°, 83%, 49%
HSV	80°, 90%, 90%
XYZ	42.7397, 64.0225, 10.8640
YIQ	185.0590, 24.4520, -79.7400

Conversions

Conversions Part 2

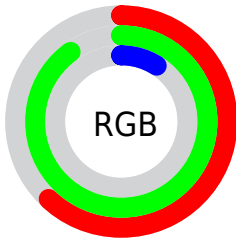
Format	Color
R _Y B	22, 230, 93
Decimal	10479126
CIE Lab	83.98, -47.88, 79.61
CIE LCh	84, 92.899, 121.022
Yxy	64.0225, 0.3634, 0.5443
Android (android.graphics.Color)	4288669206 (0xFF9FE616)
YUV	185.0590, -80.3881, -22.8537
Hunter-Lab	80.0141, -44.6784, 47.9597

Details

The XYZ color **42.7397, 64.0225, 10.8640** 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 **19.0875, 8.6163, 75.5238**, and the grayscale version is **46.5735, 48.9989, 53.3598**.

A 20% lighter version of the original color is **67.0390, 87.4063, 24.1642**, and **20.3916, 32.9814, 5.2913** is the 20% darker color. If you saturate the color by 10%, you get **41.1505, 63.2221, 10.0342**, and if you desaturate by 10%, it is **44.6773, 64.9854, 12.6732**.

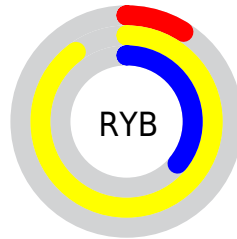
Distribution



Red (62%)

Green (90%)

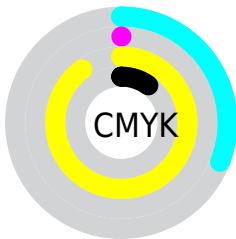
Blue (9%)



Red (9%)

Yellow (90%)

Blue (36%)

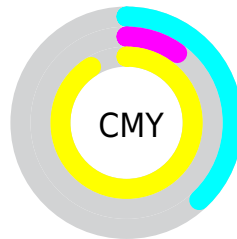


Cyan (31%)

Magenta (0%)

Yellow (90%)

Black (10%)



Cyan (38%)


Magenta (10%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7397, 64.0225, 10.8640 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 42.7397, 64.0225, 10.8640 by changing the saturation by 10% instead.


 42.7397, 64.0225,
10.8640

 42.7397, 64.0225,
10.8640


348.4799,
439.2709, 207.4360


 29.8746, 46.6689,
5.8624


 78.5761, 110.6433,
28.0412

 19.8910, 32.7740,
2.6942


 102.2780,
140.6794, 41.0539


 12.4236, 21.9534,
0.9405


 130.3230,
175.7117, 57.5741

 7.1071, 13.8226,
0.0000

 163.0762,
216.1246, 78.0203

 3.5761, 7.9974,
0.0000

 200.9032,
262.3026, 102.8110

 1.4652, 4.0933,
0.0000

 244.1692,

 0.3020, 1.7259,

314.6301, 132.3649

0.0000

293.2397,
373.4914, 167.1003

■ 0.0000, 0.4403,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.7397, 64.0225,
10.8640

■ 42.7397, 64.0225,
10.8640

■ 41.1505, 63.2221,
10.0342

■ 44.6773, 64.9854,
12.6732

■ 46.9550, 66.0938,
15.7544

■ 49.6104, 67.3651,
20.2899

■ 52.6740, 68.8116,
26.4312

■ 56.1725, 70.4444,
34.3110

■ 60.1301, 72.2732,
44.0481

■ 64.5690, 74.3071,
55.7508

■ 69.5097, 76.5545,
69.5193

■ 74.9714, 79.0232,
85.4466

Harmonies

Analogous

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



60.1525, 64.0225, 6.8362



42.7397, 64.0225, 10.8640



32.5087, 64.0225, 28.1217

Triad

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



42.7397, 64.0225, 10.8640



43.7071, 64.0225, 222.0963



109.2898, 64.0225, 67.7195

Complementary

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



42.7397, 64.0225, 10.8640



19.0875, 8.6163, 75.5238

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.



102.1792, 64.0225, 139.8126



42.7397, 64.0225, 10.8640



61.5558, 64.0225, 254.0290

Square

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



42.7397, 64.0225, 10.8640



32.9728, 64.0225, 145.4211



83.4698, 64.0225, 217.7739



101.1912, 64.0225, 26.2640

Rectangle

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



42.7397, 64.0225, 10.8640



29.6691, 64.0225, 53.5581



83.4698, 64.0225, 217.7739



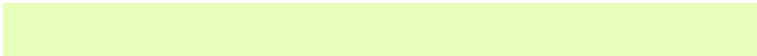
108.5881, 64.0225, 88.8200

Sweetspot

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



42.7412, 64.0253, 10.8654



77.7539, 92.1430, 60.2253



36.5506, 24.4234, 3.5477



16.2459, 19.5402, 11.8681



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.



42.7412, 64.0253, 10.8654



51.8966, 79.8387, 12.6752



30.1125, 57.5150, 10.2744



15.0988, 16.5580, 15.3047



23.4318, 35.8610, 5.6869



1.8300, 2.7008, 0.4249

Inverse Universe

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



19.0875, 8.6163, 75.5238



21.9857, 9.2489, 95.2342



37.1647, 17.9355, 76.3698



14.0444, 14.1251, 18.1305



10.0069, 4.2246, 42.6712



0.8361, 0.3620, 3.1578

Previews

White Background



This preview shows how the XYZ color 42.7397, 64.0225, 10.8640 looks on a white background.

Color Contrast Check

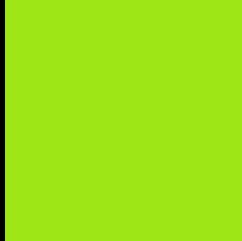
Large Text (above 18pt) WCAG AA × Fail

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 42.7397, 64.0225, 10.8640 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 42.7397, 64.0225, 10.8640

Background



This preview shows how black text looks on a background with the XYZ color 42.7397, 64.0225, 10.8640.



This preview shows how white text looks on a background with the XYZ color 42.7397, 64.0225,

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

42.7397, 64.0225, 10.8640

Protanopia

57.1218, 63.2873, 9.5216

Deuteranopia

63.8211, 62.9699, 20.0999



Tritanopia

57.5264, 63.6864, 84.8620

Trichromacy



Original Color

42.7397, 64.0225, 10.8640

Protanomaly

50.6312, 62.9256, 9.9292

Deuteranomaly

53.6673, 61.7510, 14.8849

Tritanomaly

48.7432, 62.4372, 40.4929

Monochromacy



Original Color

42.7397, 64.0225, 10.8640

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

42.5570, 52.5098, 27.6311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7397, 64.0225, 10.8640 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(159, 230, 22)` looks like.

```
.text, #text, p{  
    color:rgb(159, 230, 22)  
}
```

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(159, 230, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 230, 22) }
```

Border

The CSS property to change the border of an element to XYZ 42.7397, 64.0225, 10.8640 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(159, 230, 22) }
```


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

```
.border{ border-color:rgb(159, 230, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 230, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 230, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 230, 22);  
box-shadow:4px 4px 4px 4px rgb(159, 230,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7397, 64.0225, 10.8640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 230, 22) }
```

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

```
.background{ background-color: rgb(159,  
230, 22) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor