

Converting Colors

XYZ(42.2318, 63.6830, 10.4476)

Have a look what the booklet for
XYZ(42.2318, 63.6830, 10.4476)
contains.

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Color

**XYZ(42.2741, 63.7908,
10.4655)**

Conversions

Conversions Part 1

Format	Color
Hex	9DE60D
RGB	157, 230, 13
RGB Percent	62%, 90%, 5%
CMY	0.3843, 0.0980, 0.9489
CMYK	0.32, 0.00, 0.94, 0.10
HSL	80°, 89%, 48%
HSV	80°, 94%, 90%
XYZ	42.2741, 63.7908, 10.4655
YIQ	183.4350, 26.1490, -82.9630

Conversions

Conversions Part 2

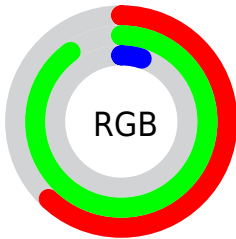
Format	Color
RYB	13, 230, 86
Decimal	10348045
CIELab	83.86, -48.75, 80.55
CIELCh	84, 94.157, 121.183
Yxy	63.7908, 0.3628, 0.5474
Android (android.graphics.Color)	4288538125 (0xFF9DE60D)
YUV	183.4350, -84.0245, -23.1835
Hunter-Lab	79.8691, -45.2924, 48.1394

Details

The XYZ color **42.2741, 63.7908, 10.4655** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **18.2685, 7.9818, 75.4444**, and the grayscale version is **45.6896, 48.0690, 52.3472**.

A 20% lighter version of the original color is **66.3070, 87.0444, 23.4317**, and **20.1731, 32.8688, 5.2811** is the 20% darker color. If you saturate the color by 10%, you get **41.3629, 63.3315, 10.0442**, and if you desaturate by 10%, it is **44.0797, 64.6953, 11.8353**.

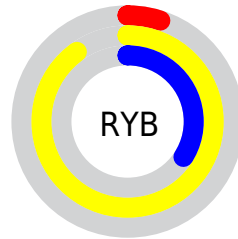
Distribution



Red (62%)

Green (90%)

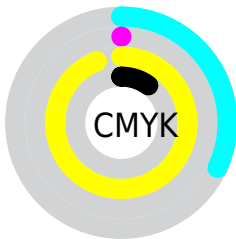
Blue (5%)



Red (5%)

Yellow (90%)

Blue (34%)

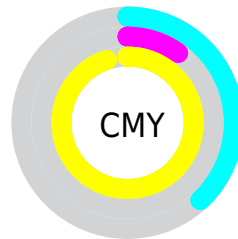


Cyan (32%)

Magenta (0%)

Yellow (94%)

Black (10%)



Cyan (38%)

Magenta (10%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2741, 63.7908, 10.4655 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 42.2741, 63.7908, 10.4655 by changing the saturation by 10% instead.

42.2741, 63.7908,
10.4655

42.2741, 63.7908,
10.4655

346.5903,
438.4338, 204.5669

29.5080, 46.4813,
5.5991

77.8769, 110.3096,
27.2888

19.6117, 32.6258,
2.5380

101.4443,
140.2876, 40.0828

12.2197, 21.8399,
0.8602

129.3428,
175.2573, 56.3564

6.9668, 13.7393,
0.0000

161.9379,
215.6030, 76.5281

3.4875, 7.9396,
0.0000

199.5948,
261.7091, 101.0164

1.4165, 4.0563,
0.0000

242.6789,

0.2679, 1.7051,

313.9600, 130.2400

0.0000

291.5556,
372.7401, 164.6173

■ 0.0000, 0.4270,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.2741, 63.7908,
10.4655

■ 42.2741, 63.7908,
10.4655

■ 41.3629, 63.3315,
10.0442

■ 44.0797, 64.6953,
11.8353

■ 46.2065, 65.7372,
14.3945

■ 48.6949, 66.9353,
18.3413

■ 51.5773, 68.3025,
23.8373

■ 54.8816, 69.8504,
31.0216

■ 58.6330, 71.5890,
40.0180

■ 62.8541, 73.5277,
50.9387

■ 67.5660, 75.6751,
63.8866

■ 72.7883, 78.0392,
78.9576

Harmonies

Analogous

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



59.8132, 63.7908, 6.4663



42.2741, 63.7908, 10.4655



32.0233, 63.7908, 27.7362

Triad

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



42.2741, 63.7908, 10.4655



43.4031, 63.7908, 224.7870



109.7483, 63.7908, 67.1305

Complementary

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



42.2741, 63.7908, 10.4655



18.2685, 7.9818, 75.4444

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.



102.6034, 63.7908, 140.1374



42.2741, 63.7908, 10.4655



61.4567, 63.7908, 257.0397

Square

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



42.2741, 63.7908, 10.4655



32.5633, 63.7908, 146.7471



83.6556, 63.7908, 219.6772



101.4409, 63.7908, 25.5840

Rectangle

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



42.2741, 63.7908, 10.4655



29.1984, 63.7908, 53.4139



83.6556, 63.7908, 219.6772



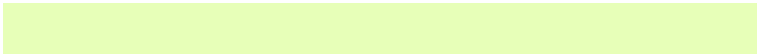
109.0640, 63.7908, 88.4290

Sweetspot

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



42.2756, 63.7936, 10.4669



77.3173, 91.9490, 58.8007



35.9838, 23.4055, 3.0028



16.0593, 19.4557, 11.3273



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.



42.2756, 63.7936, 10.4669



52.1656, 79.9774, 12.6878



29.6468, 57.2832, 9.8759



15.1059, 16.5616, 15.3050



23.5514, 35.9227, 5.6925



1.8383, 2.7050, 0.4252

Inverse Universe

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



18.2685, 7.9818, 75.4444



21.8692, 9.1889, 95.2287



36.6354, 17.4504, 76.3040



14.0375, 14.1216, 18.1302



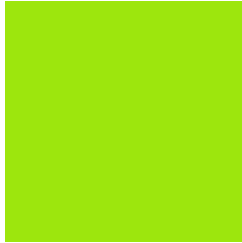
9.9532, 4.1970, 42.6687



0.8316, 0.3597, 3.1576

Previews

White Background



This preview shows how the XYZ color 42.2741, 63.7908, 10.4655 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 42.2741, 63.7908, 10.4655 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 42.2741, 63.7908, 10.4655

Background



This preview shows how black text looks on a background with the XYZ color 42.2741, 63.7908, 10.4655.



This preview shows how white text looks on a background with the XYZ color 42.2741, 63.7908,

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

42.2741, 63.7908, 10.4655

Protanopia

57.0614, 63.2631, 9.2035

Deuteranopia

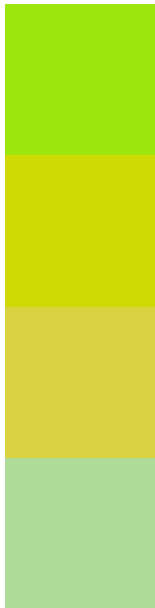
63.7290, 62.9331, 19.6149



Tritanopia

57.2928, 63.5660, 84.8511

Trichromacy



Original Color

42.2741, 63.7908, 10.4655

Protanomaly

50.5724, 62.9021, 9.6194

Deuteranomaly

53.2141, 61.5349, 14.0738

Tritanomaly

48.2740, 62.2241, 39.1719

Monochromacy



Original Color

42.2741, 63.7908, 10.4655

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

41.5610, 51.6877, 25.8754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2741, 63.7908, 10.4655 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(157, 230, 13)` looks like.

```
.text, #text, p{  
    color:rgb(157, 230, 13)  
}
```

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(157, 230, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 230, 13) }
```

Border

The CSS property to change the border of an element to XYZ 42.2741, 63.7908, 10.4655 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(157, 230, 13) }
```


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

```
.border{ border-color:rgb(157, 230, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 230, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 230, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 230, 13);  
box-shadow:4px 4px 4px 4px rgb(157, 230,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2741, 63.7908, 10.4655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 230, 13) }
```

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

```
.background{ background-color: rgb(157,  
230, 13) }
```

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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