

Converting Colors

XYZ(41.8969, 64.4498, 10.6445)

Have a look what the booklet for
XYZ(41.8969, 64.4498, 10.6445)
contains.

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Color

**XYZ(41.8848, 64.4203,
10.6423)**

Conversions

Conversions Part 1

Format	Color
Hex	98E80E
RGB	152, 232, 14
RGB Percent	60%, 91%, 5%
CMY	0.4039, 0.0902, 0.9450
CMYK	0.34, 0.00, 0.94, 0.09
HSL	82°, 89%, 48%
HSV	82°, 94%, 91%
XYZ	41.8848, 64.4203, 10.6423
YIQ	183.2280, 22.2980, -84.7580

Conversions

Conversions Part 2

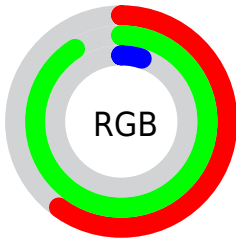
Format	Color
RYB	14, 232, 94
Decimal	10020878
CIELab	84.18, -51.34, 80.60
CIELCh	84, 95.565, 122.494
Yxy	64.4203, 0.3582, 0.5508
Android (android.graphics.Color)	4288210958 (0xFF98E80E)
YUV	183.2280, -83.4294, -27.3870
Hunter-Lab	80.2623, -47.3089, 48.3221

Details

The XYZ color **41.8848, 64.4203, 10.6423** 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 **19.3430, 8.5226, 76.9731**, and the grayscale version is **45.5736, 47.9470, 52.2143**.

A 20% lighter version of the original color is **64.8431, 86.2898, 23.3632**, and **19.9390, 33.3260, 5.3817** is the 20% darker color. If you saturate the color by 10%, you get **40.8640, 63.9053, 10.1812**, and if you desaturate by 10%, it is **43.7959, 65.3778, 12.0799**.

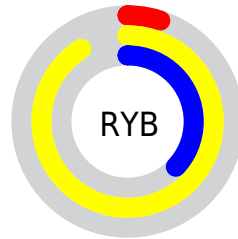
Distribution



Red (60%)

Green (91%)

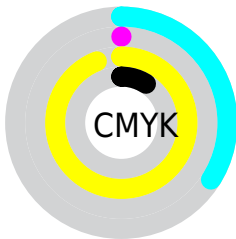
Blue (5%)



Red (5%)

Yellow (91%)

Blue (37%)

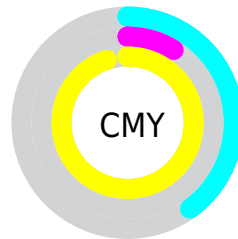


Cyan (34%)

Magenta (0%)

Yellow (94%)

Black (9%)



Cyan (40%)


Magenta (9%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8848, 64.4203, 10.6423 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 41.8848, 64.4203, 10.6423 by changing the saturation by 10% instead.


 41.8848, 64.4203,
10.6423


 41.8848, 64.4203,
10.6423


345.0049,
440.7058, 205.8454


 29.2018, 46.9912,
5.7157


 77.2915, 111.2160,
27.6233

 19.3786, 33.0287,
2.6070


 100.7459,
141.3514, 40.5147


 12.0498, 22.1484,
0.8961


 128.5215,
176.4910, 56.8982

 6.8500, 13.9660,
0.0000

 160.9837,
217.0192, 77.1923

 3.4140, 8.0970,
0.0000

 198.4978,
263.3204, 101.8156

 1.3763, 4.1571,
0.0000

 241.4291,

 0.2392, 1.7618,

315.7789, 131.1864

0.0000

290.1430,
374.7793, 165.7235

■ 0.0000, 0.4632,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.8848, 64.4203,
10.6423

■ 41.8848, 64.4203,
10.6423

■ 40.8640, 63.9053,
10.1812

■ 43.7959, 65.3778,
12.0799

■ 46.0537, 66.4851,
14.7401

■ 48.6997, 67.7616,
18.8239

■ 51.7674, 69.2207,
24.4952

■ 55.2856, 70.8742,
31.8956

■ 59.2804, 72.7329,
41.1510

■ 63.7754, 74.8064,
52.3756

■ 68.7925, 77.1036,
65.6743

■ 74.3522, 79.6331,
81.1447

Harmonies

Analogous

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



59.4776, 64.4203, 6.2760



41.8848, 64.4203, 10.6423



31.7880, 64.4203, 28.9433

Triad

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



41.8848, 64.4203, 10.6423



44.3088, 64.4203, 232.3647



111.4828, 64.4203, 65.1976

Complementary

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



41.8848, 64.4203, 10.6423



19.3430, 8.5226, 76.9731

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.



104.8257, 64.4203, 138.8195



41.8848, 64.4203, 10.6423



63.0156, 64.4203, 262.5872

Square

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



41.8848, 64.4203, 10.6423



32.9444, 64.4203, 153.1159



85.7669, 64.4203, 221.2873



102.3145, 64.4203, 24.3471

Rectangle

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



41.8848, 64.4203, 10.6423



29.1230, 64.4203, 56.0074



85.7669, 64.4203, 221.2873



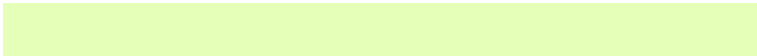
111.0215, 64.4203, 86.4763

Sweetspot

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



41.8863, 64.4231, 10.6437



76.6172, 91.5881, 58.7680



37.3582, 25.1853, 3.3087



15.8902, 19.3685, 11.3193



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.



41.8863, 64.4231, 10.6437



50.5400, 79.1394, 12.6117



29.9375, 58.2633, 10.0845



15.0619, 16.5390, 15.3029



22.8281, 35.5498, 5.6586



1.7883, 2.6793, 0.4229

Inverse Universe

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



19.3430, 8.5226, 76.9731



22.6245, 9.5782, 95.2641



39.3362, 18.8295, 77.9088



14.0799, 14.1434, 18.1322



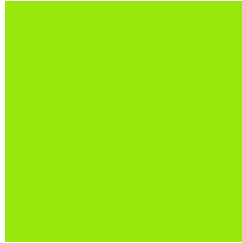
10.3004, 4.3760, 42.6849



0.8606, 0.3746, 3.1589

Previews

White Background



This preview shows how the XYZ color 41.8848, 64.4203, 10.6423 looks on a white background.

Color Contrast Check

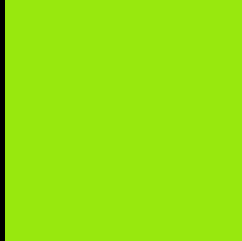
Large Text (above 18pt) WCAG AA × Fail

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 41.8848, 64.4203, 10.6423 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 41.8848, 64.4203, 10.6423

Background



This preview shows how black text looks on a background with the XYZ color 41.8848, 64.4203, 10.6423.



This preview shows how white text looks on a background with the XYZ color 41.8848, 64.4203,

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

41.8848, 64.4203, 10.6423

Protanopia

57.3925, 63.4338, 9.2190

Deuteranopia

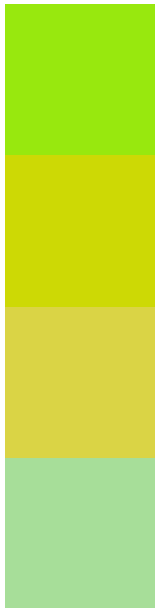
64.1945, 63.4887, 20.9277



Tritanopia

57.1683, 64.2250, 86.4744

Trichromacy



Original Color

41.8848, 64.4203, 10.6423

Protanomaly

50.0171, 62.6158, 9.5935

Deuteranomaly

53.5311, 62.4221, 14.8575

Tritanomaly

47.8074, 62.7579, 39.7308

Monochromacy



Original Color

41.8848, 64.4203, 10.6423

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

41.4128, 51.9491, 26.2568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8848, 64.4203, 10.6423 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(152, 232, 14)` looks like.

```
.text, #text, p{  
    color:rgb(152, 232, 14)  
}
```

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(152, 232, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 232, 14) }
```

Border

The CSS property to change the border of an element to XYZ 41.8848, 64.4203, 10.6423 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(152, 232, 14) }
```


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

```
.border{ border-color:rgb(152, 232, 14) }
```

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

Here you see how a box with a 4 pixel rgb(152, 232, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 232, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 232, 14);  
box-shadow:4px 4px 4px 4px rgb(152, 232,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8848, 64.4203, 10.6423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 232, 14) }
```

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

```
.background{ background-color: rgb(152,  
232, 14) }
```

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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