

Converting Colors

XYZ(40.9692, 68.3037, 13.8699)

Have a look what the booklet for
XYZ(40.9692, 68.3037, 13.8699)
contains.

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Color

**XYZ(40.8898, 68.1533,
13.7961)**

Conversions

Conversions Part 1

Format	Color
Hex	7EF230
RGB	126, 242, 48
RGB Percent	49%, 95%, 19%
CMY	0.5059, 0.0510, 0.8117
CMYK	0.48, 0.00, 0.80, 0.05
HSL	96°, 88%, 57%
HSV	96°, 80%, 95%
XYZ	40.8898, 68.1533, 13.7961
YIQ	185.2000, -6.8620, -84.9260

Conversions

Conversions Part 2

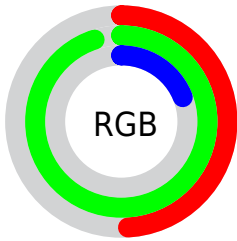
Format	Color
RYB	48, 242, 164
Decimal	8319536
CIELab	86.08, -62.56, 75.55
CIELCh	86, 98.092, 129.626
Yxy	68.1533, 0.3329, 0.5548
Android (android.graphics.Color)	4286509616 (0xFF7EF230)
YUV	185.2000, -67.6396, -51.9184
Hunter-Lab	82.5550, -56.0596, 47.8803

Details

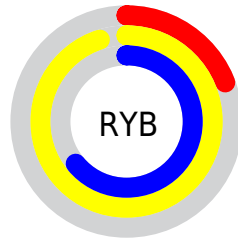
The XYZ color **40.8898, 68.1533, 13.7961** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **32.3980, 16.4199, 85.4700**, and the grayscale version is **46.5953, 49.0219, 53.3848**.

A 20% lighter version of the original color is **59.1228, 83.2325, 27.9883**, and **19.2124, 35.6586, 5.8702** is the 20% darker color. If you saturate the color by 10%, you get **38.5387, 66.9862, 11.7522**, and if you desaturate by 10%, it is **43.8249, 69.5942, 17.2901**.

Distribution



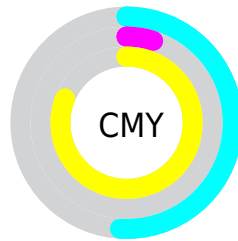
- Red (49%)
- Green (95%)
- Blue (19%)



- Red (19%)
- Yellow (95%)
- Blue (64%)



- Cyan (48%)
- Magenta (0%)
- Yellow (80%)
- Black (5%)



- Cyan (51%)
- Magenta (5%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8898, 68.1533, 13.7961 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 40.8898, 68.1533, 13.7961 by changing the saturation by 10% instead.

40.8898, 68.1533,
13.7961

40.8898, 68.1533,
13.7961

340.9303,
454.0390, 227.3428

28.4203, 50.0225,
7.8419

75.7923, 116.5714,
33.4387

18.7848, 35.4312,
3.9076

98.9561, 147.6275,
47.9641

11.6180, 23.9953,
1.5748

126.4152,
183.7608, 66.1837

6.5544, 15.3301,
0.2727

158.5352,
225.3556, 88.5160

3.2289, 9.0514,
0.0000

195.6814,
272.7965, 115.3795

1.2759, 4.7747,
0.0000

238.2190,

0.1651, 2.1157,

326.4677, 147.1928

0.0000

286.5135,
386.7538, 184.3744

■ 0.0000, 0.6734,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8898, 68.1533,
13.7961

■ 40.8898, 68.1533,
13.7961

■ 38.5387, 66.9862,
11.7522


■ 43.8249, 69.5942,
17.2901


■ 36.7144, 66.0646,
10.8167


■ 47.3904, 71.3221,
22.4345


■ 51.6320, 73.3590,
29.4027


■ 56.5895, 75.7218,
38.3451

 62.2989, 78.4265,
49.3963

 68.7936, 81.4873,
62.6792

 76.1048, 84.9180,
78.3072

 84.2619, 88.7315,
96.3861

 91.0436, 91.9872,
107.5645

Harmonies

Analogous

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



57.8000, 68.1533, 6.7858



40.8898, 68.1533, 13.7961



32.0614, 68.1533, 38.8514

Triad

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



40.8898, 68.1533, 13.7961



50.8355, 68.1533, 261.8684



117.5658, 68.1533, 55.3334

Complementary

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



40.8898, 68.1533, 13.7961



32.3980, 16.4199, 85.4700

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.



114.4686, 68.1533, 126.3254



40.8898, 68.1533, 13.7961



72.2955, 68.1533, 276.0589

Square

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



40.8898, 68.1533, 13.7961



36.8112, 68.1533, 184.7973



96.5224, 68.1533, 216.6621



104.2030, 68.1533, 19.8710

Rectangle

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



40.8898, 68.1533, 13.7961



30.3959, 68.1533, 73.4009



96.5224, 68.1533, 216.6621



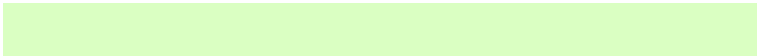
118.4744, 68.1533, 75.0197

Sweetspot

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



40.8914, 68.1562, 13.7976



74.5095, 90.3738, 64.4381



49.9285, 44.6420, 8.7826



15.3936, 19.0823, 12.6624



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.



40.8914, 68.1562, 13.7976



42.0752, 74.7692, 12.5072



33.9034, 64.5079, 15.5411



16.1674, 17.9665, 16.7655



19.8670, 35.5634, 5.8173



1.7622, 3.0150, 0.4891

Inverse Universe

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



32.3980, 16.4199, 85.4700



31.9846, 14.5679, 95.7339



51.3823, 26.4749, 74.2375



15.8038, 15.6961, 19.9183



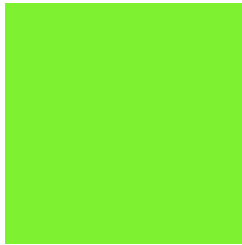
15.0140, 6.7454, 45.6385



1.3611, 0.6189, 3.8019

Previews

White Background



This preview shows how the XYZ color 40.8898, 68.1533, 13.7961 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 40.8898, 68.1533, 13.7961 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 40.8898, 68.1533, 13.7961

Background



This preview shows how black text looks on a background with the XYZ color 40.8898, 68.1533, 13.7961.



This preview shows how white text looks on a background with the XYZ color 40.8898, 68.1533,

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

40.8898, 68.1533, 13.7961

Protanopia

60.7224, 66.9540, 11.8208

Deuteranopia

67.1421, 66.9349, 29.4596



Tritanopia

56.8132, 67.3894, 94.8071

Trichromacy



Original Color

40.8898, 68.1533, 13.7961



Protanomaly

50.6635, 65.6353, 12.3815



Deuteranomaly

53.5485, 64.9548, 21.2705



Tritanomaly

47.6994, 66.1501, 49.2840

Monochromacy



Original Color

40.8898, 68.1533, 13.7961



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

41.7543, 53.7844, 31.1024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8898, 68.1533, 13.7961 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(126, 242, 48)` looks like.

```
.text, #text, p{  
    color:rgb(126, 242, 48)  
}
```

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(126, 242, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 242, 48) }
```

Border

The CSS property to change the border of an element to XYZ 40.8898, 68.1533, 13.7961 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(126, 242, 48) }
```


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

```
.border{ border-color:rgb(126, 242, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 242, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 242, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 242, 48);  
box-shadow:4px 4px 4px 4px rgb(126, 242,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8898, 68.1533, 13.7961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 242, 48) }
```

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

```
.background{ background-color: rgb(126,  
242, 48) }
```

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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