

Converting Colors

XYZ(40.9003, 64.0179, 12.8338)

Have a look what the booklet for
XYZ(40.9003, 64.0179, 12.8338)
contains.

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Color

**XYZ(40.8514, 63.8398,
12.7540)**

Conversions

Conversions Part 1

Format	Color
Hex	90E82E
RGB	144, 232, 46
RGB Percent	56%, 91%, 18%
CMY	0.4353, 0.0902, 0.8196
CMYK	0.38, 0.00, 0.80, 0.09
HSL	88°, 80%, 55%
HSV	88°, 80%, 91%
XYZ	40.8514, 63.8398, 12.7540
YIQ	184.4840, 7.2580, -76.5020

Conversions

Conversions Part 2

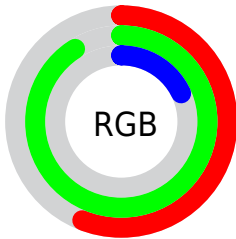
Format	Color
RYB	46, 232, 134
Decimal	9496622
CIELab	83.88, -53.19, 74.35
CIElCh	84, 91.422, 125.580
Yxy	63.8398, 0.3478, 0.5436
Android (android.graphics.Color)	4287686702 (0xFF90E82E)
YUV	184.4840, -68.2726, -35.5045
Hunter-Lab	79.8998, -48.5607, 46.4657

Details

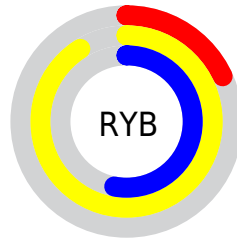
The XYZ color **40.8514, 63.8398, 12.7540** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **25.3773, 12.8507, 77.4905**, and the grayscale version is **46.1935, 48.5992, 52.9245**.

A 20% lighter version of the original color is **63.0954, 85.2992, 27.3263**, and **19.1815, 32.9355, 5.3462** is the 20% darker color. If you saturate the color by 10%, you get **38.6871, 62.7654, 10.8765**, and if you desaturate by 10%, it is **43.4519, 65.1146, 15.9426**.

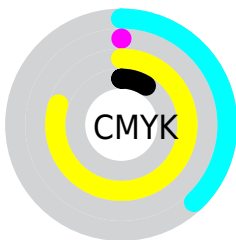
Distribution



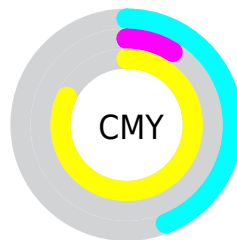
- Red (56%)
- Green (91%)
- Blue (18%)



- Red (18%)
- Yellow (91%)
- Blue (53%)



- Cyan (38%)
- Magenta (0%)
- Yellow (80%)
- Black (9%)



- Cyan (44%)
- Magenta (9%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8514, 63.8398, 12.7540 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 40.8514, 63.8398, 12.7540 by changing the saturation by 10% instead.

40.8514, 63.8398,
12.7540

40.8514, 63.8398,
12.7540

340.7724,
438.6109, 220.4872

28.3901, 46.5209,
7.1306

75.7344, 110.3802,
31.5458

18.7619, 32.6571,
3.4643

98.8868, 140.3705,
45.5513

11.6014, 21.8639,
1.3363

126.3337,
175.3534, 63.1880

6.5431, 13.7569,
0.0913

158.4404,
215.7133, 84.8743

3.2218, 7.9518,
0.0000

195.5723,
261.8347, 111.0289

1.2721, 4.0641,
0.0000

238.0947,

0.1622, 1.7095,

314.1018, 142.0702

0.0000

286.3729,
372.8990, 178.4168

■ 0.0000, 0.4298,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8514, 63.8398,
12.7540

■ 40.8514, 63.8398,
12.7540

■ 38.6871, 62.7654,
10.8765

■ 43.4519, 65.1146,
15.9426

■ 36.9167, 61.8704,
9.9965

■ 46.5241, 66.5980,
20.6221

■ 50.1038, 68.3070,
26.9483

■ 54.2212, 70.2544,
35.0565

■ 58.9038, 72.4517,
45.0678

■ 64.1771, 74.9095,
57.0929

■ 70.0647, 77.6377,
71.2337

■ 76.5887, 80.6458,
87.5856

■ 83.7701, 83.9425,
106.2378

Harmonies

Analogous

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



56.9963, 63.8398, 7.2928



40.8514, 63.8398, 12.7540



31.8480, 63.8398, 33.0532

Triad

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



40.8514, 63.8398, 12.7540



46.0590, 63.8398, 226.8867



107.8527, 63.8398, 59.2924

Complementary

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



40.8514, 63.8398, 12.7540



25.3773, 12.8507, 77.4905

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.



103.1183, 63.8398, 126.0577



40.8514, 63.8398, 12.7540



64.5146, 63.8398, 248.1565

Square

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



40.8514, 63.8398, 12.7540



34.3568, 63.8398, 155.8668



86.0618, 63.8398, 204.0152



97.8578, 63.8398, 22.9460

Rectangle

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



40.8514, 63.8398, 12.7540



29.7219, 63.8398, 61.3234



86.0618, 63.8398, 204.0152



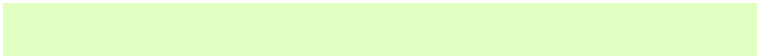
107.9528, 63.8398, 78.3961

Sweetspot

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



40.8529, 63.8426, 12.7554



76.8526, 91.5817, 64.5477



42.1348, 34.0762, 6.9423



15.9530, 19.3707, 12.6885



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.



40.8529, 63.8426, 12.7554



46.4920, 77.0461, 12.7139



30.7783, 58.6489, 12.2839



14.9105, 16.4609, 15.2959



20.6404, 34.4220, 5.5563



1.6324, 2.5989, 0.4156

Inverse Universe

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



25.3773, 12.8507, 77.4905



26.7691, 11.8792, 95.4898



46.8464, 23.9184, 78.4952



14.2282, 14.2198, 18.1391



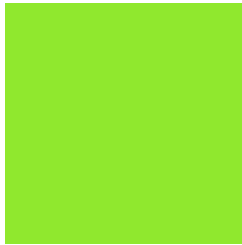
11.7835, 5.1405, 42.7543



0.9774, 0.4348, 3.1644

Previews

White Background



This preview shows how the XYZ color 40.8514, 63.8398, 12.7540 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 40.8514, 63.8398, 12.7540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

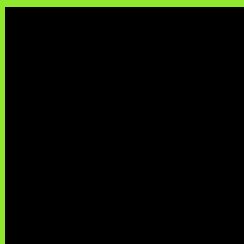
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8514, 63.8398, 12.7540

Background



This preview shows how black text looks on a background with the XYZ color 40.8514, 63.8398, 12.7540.



This preview shows how white text looks on a background with the XYZ color 40.8514, 63.8398,

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

40.8514, 63.8398, 12.7540

Protanopia

56.8706, 62.7574, 11.1235

Deuteranopia

63.7747, 62.9514, 19.8559



Tritanopia

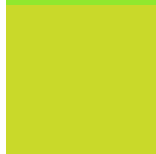
55.6260, 63.4299, 86.4022

Trichromacy



Original Color

40.8514, 63.8398, 12.7540



Protanomaly

49.3182, 62.2104, 11.5990



Deuteranomaly

52.6937, 61.5857, 16.3177



Tritanomaly

47.4100, 62.4327, 45.1493

Monochromacy



Original Color

40.8514, 63.8398, 12.7540



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

41.5519, 51.9295, 30.3876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8514, 63.8398, 12.7540 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(144, 232, 46)` looks like.

```
.text, #text, p{  
    color:rgb(144, 232, 46)  
}
```

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(144, 232, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 232, 46) }
```

Border

The CSS property to change the border of an element to XYZ 40.8514, 63.8398, 12.7540 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(144, 232, 46) }
```


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

```
.border{ border-color:rgb(144, 232, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 232, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 232, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 232, 46);  
box-shadow:4px 4px 4px 4px rgb(144, 232,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8514, 63.8398, 12.7540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 232, 46) }
```

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

```
.background{ background-color: rgb(144,  
232, 46) }
```

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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