

Converting Colors

XYZ(40.7840, 51.1924, 14.5691)

Have a look what the booklet for
XYZ(40.7840, 51.1924, 14.5691)
contains.

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Color

**XYZ(40.7840, 51.1924,
14.5691)**

Conversions

Conversions Part 1

Format	Color
Hex	B5C74C
RGB	181, 199, 76
RGB Percent	71%, 78%, 30%
CMY	0.2902, 0.2196, 0.7019
CMYK	0.09, 0.00, 0.62, 0.22
HSL	69°, 52%, 54%
HSV	69°, 62%, 78%
XYZ	40.7840, 51.1924, 14.5691
YIQ	179.5960, 28.7550, -42.0690

Conversions

Conversions Part 2

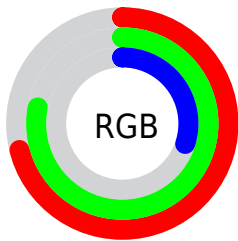
Format	Color
RYB	76, 199, 94
Decimal	11913036
CIELab	76.80, -22.85, 57.70
CIELCh	77, 62.058, 111.608
Yxy	51.1924, 0.3828, 0.4805
Android (android.graphics.Color)	4290103116 (0xFFB5C74C)
YUV	179.5960, -51.0728, 1.2313
Hunter-Lab	71.5489, -23.4627, 38.0113

Details

The XYZ color **40.7840, 51.1924, 14.5691** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted chartreuse. A complement of this color would be **17.5112, 11.6734, 55.3661**, and the grayscale version is **43.4212, 45.6825, 49.7482**.

A 20% lighter version of the original color is **75.3859, 91.4824, 34.8037**, and **18.6691, 24.6453, 4.2250** is the 20% darker color. If you saturate the color by 10%, you get **39.5209, 50.6109, 11.4406**, and if you desaturate by 10%, it is **42.2778, 51.8715, 18.8272**.

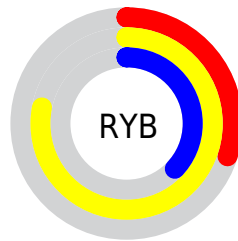
Distribution



Red (71%)

Green (78%)

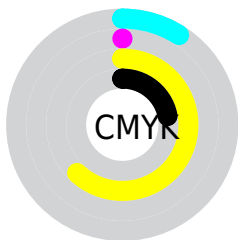
Blue (30%)



Red (30%)

Yellow (78%)

Blue (37%)

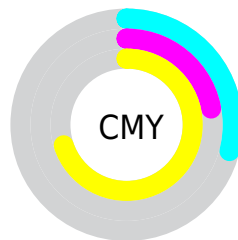


Cyan (9%)

Magenta (0%)

Yellow (62%)

Black (22%)



Cyan (29%)

Magenta (22%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7840, 51.1924, 14.5691 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 40.7840, 51.1924, 14.5691 by changing the saturation by 10% instead.

■ 40.7840, 51.1924,
14.5691

■ 40.7840, 51.1924,
14.5691

340.4951,
391.3108, 232.2933

■ 28.3373, 36.3618,
8.3743

■ 75.6327, 91.9391,
34.8270

■ 18.7218, 24.7137,
4.2442

■ 98.7653, 118.6240,
49.7272

■ 11.5722, 15.8639,
1.7602

■ 126.1907,
150.0290, 68.3662

■ 6.5232, 9.4279,
0.4015

■ 158.2740,
186.5386, 91.1627

■ 3.2094, 5.0213,
0.0000

■ 195.3808,
228.5372, 118.5350

■ 1.2655, 2.2598,
0.0000

237.8763,

■ 0.1571, 0.7523,

276.4092, 150.9019

0.0000

286.1260,
330.5389, 188.6818

■ 0.0000, 0.0000,
0.0000

■ 40.7840, 51.1924,
14.5691

■ 40.7840, 51.1924,
14.5691

■ 39.5209, 50.6109,
11.4406

■ 42.2778, 51.8715,
18.8272

■ 38.4643, 50.1118,
9.3306

■ 44.0166, 52.6484,
24.3058

■ 37.5908, 49.6876,
8.1116

■ 46.0177, 53.5319,
31.0903

■ 36.9749, 49.3812,
7.5827

■ 48.2957, 54.5279,
39.2573

■ 50.8643, 55.6418,
48.8779

■ 53.7360, 56.8786,
60.0178

■ 56.9226, 58.2431,
72.7392

■ 60.4355, 59.7398,
87.1006

■ 64.2676, 61.3659,
103.0653

Harmonies

Analogous

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



52.0375, 51.1924, 13.0459



40.7840, 51.1924, 14.5691



32.9770, 51.1924, 24.3827

Triad

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



40.7840, 51.1924, 14.5691



35.9035, 51.1924, 123.5992



74.6773, 51.1924, 65.7516

Complementary

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



40.7840, 51.1924, 14.5691



17.5112, 11.6734, 55.3661

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.



68.6540, 51.1924, 106.5037



40.7840, 51.1924, 14.5691



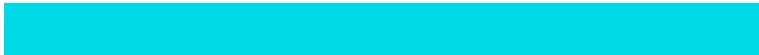
45.4259, 51.1924, 147.6798

Square

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



40.7840, 51.1924, 14.5691



30.4919, 51.1924, 83.2002



57.4828, 51.1924, 140.4044



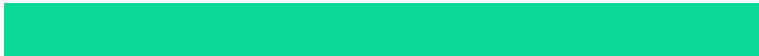
72.8965, 51.1924, 35.1033

Rectangle

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



40.7840, 51.1924, 14.5691



30.1746, 51.1924, 37.6775



57.4828, 51.1924, 140.4044



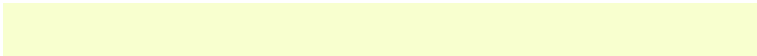
73.4673, 51.1924, 78.8111

Sweetspot

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



40.7852, 51.1947, 14.5702



85.6462, 95.9426, 72.7482



28.7214, 20.3892, 9.2599



18.0651, 20.4196, 14.5879



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.



40.7852, 51.1947, 14.5702



68.5500, 88.3092, 18.6332



29.6290, 45.4435, 14.0481



11.3654, 12.3353, 11.3447



23.8321, 31.7812, 4.8783



1.1712, 1.5269, 0.2330

Inverse Universe

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



17.5112, 11.6734, 55.3661



24.6239, 13.5272, 95.9209



26.2024, 16.1539, 55.7729



10.1988, 10.3607, 13.3798



7.0029, 2.8444, 34.9243



0.3793, 0.1593, 1.6559

Previews

White Background



This preview shows how the XYZ color 40.7840, 51.1924, 14.5691 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 40.7840, 51.1924, 14.5691 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 40.7840, 51.1924, 14.5691

Background



This preview shows how black text looks on a background with the XYZ color 40.7840, 51.1924, 14.5691.



This preview shows how white text looks on a background with the XYZ color 40.7840, 51.1924,

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

40.7840, 51.1924, 14.5691

Protanopia

46.4800, 51.1568, 13.7278

Deuteranopia

52.1052, 50.9139, 15.0638



Tritanopia

50.3497, 50.8042, 62.4108

Trichromacy



Original Color

40.7840, 51.1924, 14.5691

Protanomaly

44.1254, 50.9137, 13.9802

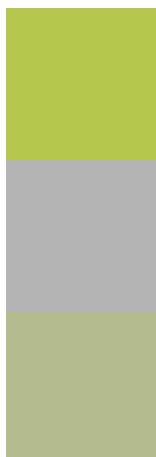
Deuteranomaly

47.2426, 50.5669, 14.8599

Tritanomaly

45.6178, 50.4807, 38.7919

Monochromacy



Original Color

40.7840, 51.1924, 14.5691

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.4752, 47.1969, 32.5151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7840, 51.1924, 14.5691 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(181, 199, 76)` looks like.

```
.text, #text, p{  
    color:rgb(181, 199, 76)  
}
```

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(181, 199, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 199, 76) }
```

Border

The CSS property to change the border of an element to XYZ 40.7840, 51.1924, 14.5691 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(181, 199, 76) }
```


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

```
.border{ border-color:rgb(181, 199, 76) }
```

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

Here you see how a box with a 4 pixel rgb(181, 199, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 199, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 199, 76);  
box-shadow:4px 4px 4px 4px rgb(181, 199,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7840, 51.1924, 14.5691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 199, 76) }
```

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

```
.background{ background-color: rgb(181,  
199, 76) }
```

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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