

Converting Colors

XYZ(40.7663, 49.4462, 13.8628)

Have a look what the booklet for
XYZ(40.7663, 49.4462, 13.8628)
contains.

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Color

**XYZ(40.7775, 49.5171,
13.8871)**

Conversions

Conversions Part 1

Format	Color
Hex	BAC24A
RGB	186, 194, 74
RGB Percent	73%, 76%, 29%
CMY	0.2706, 0.2392, 0.7098
CMYK	0.04, 0.00, 0.62, 0.24
HSL	64°, 50%, 53%
HSV	64°, 62%, 76%
XYZ	40.7775, 49.5171, 13.8871
YIQ	177.9280, 33.7520, -39.0160

Conversions

Conversions Part 2

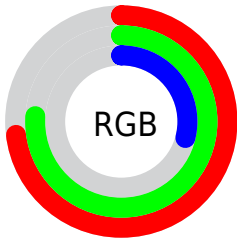
Format	Color
RYB	74, 194, 82
Decimal	12239434
CIELab	75.77, -18.46, 57.55
CIELCh	76, 60.443, 107.785
Yxy	49.5171, 0.3914, 0.4753
Android (android.graphics.Color)	4290429514 (0xFFBAC24A)
YUV	177.9280, -51.2365, 7.0791
Hunter-Lab	70.3684, -19.7064, 37.5571

Details

The XYZ color **40.7775, 49.5171, 13.8871** 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 **15.6677, 10.5876, 52.2598**, and the grayscale version is **42.5300, 44.7449, 48.7271**.

A 20% lighter version of the original color is **75.3901, 89.1628, 33.6587**, and **18.7972, 23.8221, 3.9552** is the 20% darker color. If you saturate the color by 10%, you get **39.9096, 49.1356, 10.9454**, and if you desaturate by 10%, it is **41.8521, 49.9853, 17.8923**.

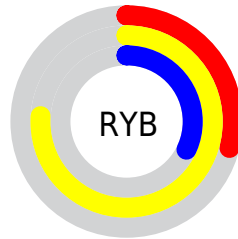
Distribution



Red (73%)

Green (76%)

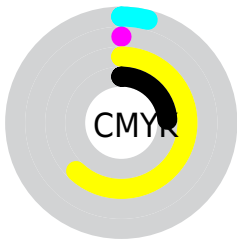
Blue (29%)



Red (29%)

Yellow (76%)

Blue (32%)

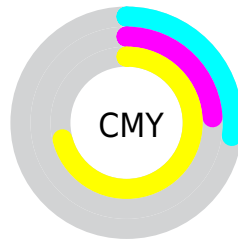


Cyan (4%)

Magenta (0%)

Yellow (62%)

Black (24%)



Cyan (27%)

Magenta (24%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7775, 49.5171, 13.8871 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 40.7775, 49.5171, 13.8871 by changing the saturation by 10% instead.

40.7775, 49.5171,
13.8871

40.7775, 49.5171,
13.8871

340.4683,
384.7745, 227.9313

28.3322, 35.0299,
7.9043

75.6229, 89.4590,
33.6028

18.7179, 23.6859,
3.9469

98.7536, 115.6824,
48.1728

11.5694, 15.1008,
1.5963

126.1769,
146.5867, 66.4423

6.5213, 8.8901,
0.2881

158.2580,
182.5562, 88.8299

3.2082, 4.6696,
0.0000

195.3623,
223.9753, 115.7540

1.2648, 2.0547,
0.0000

237.8553,

0.1566, 0.6390,

271.2285, 147.6333

0.0000

286.1021,
324.7001, 184.8862

■ 0.0000, 0.0000,
0.0000

■ 40.7775, 49.5171,
13.8871

■ 40.7775, 49.5171,
13.8871

■ 39.9096, 49.1356,
10.9454

■ 41.8521, 49.9853,
17.8923

■ 39.2257, 48.8262,
8.9629

■ 43.1468, 50.5399,
23.0463

■ 38.7040, 48.5820,
7.8198

■ 44.6777, 51.1894,
29.4292

■ 38.3636, 48.4172,
7.3235

■ 46.4585, 51.9392,
37.1134

■ 48.5019, 52.7944,
46.1652

■ 50.8196, 53.7597,
56.6467

■ 53.4228, 54.8394,
68.6163

■ 56.3219, 56.0379,
82.1288

■ 59.5268, 57.3590,
97.2365

Harmonies

Analogous

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



51.7784, 49.5171, 13.2675



40.7775, 49.5171, 13.8871



32.8260, 49.5171, 22.1441

Triad

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



40.7775, 49.5171, 13.8871



34.0058, 49.5171, 113.8450



71.4562, 49.5171, 68.0738

Complementary

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



40.7775, 49.5171, 13.8871



15.6677, 10.5876, 52.2598

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.



64.9196, 49.5171, 106.9991



40.7775, 49.5171, 13.8871



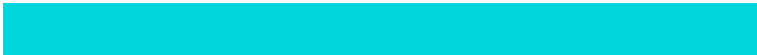
42.6458, 49.5171, 139.6562

Square

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



40.7775, 49.5171, 13.8871



29.3652, 49.5171, 75.0761



53.9667, 49.5171, 136.7457



70.7418, 49.5171, 37.1595

Rectangle

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



40.7775, 49.5171, 13.8871



29.7837, 49.5171, 33.7664



53.9667, 49.5171, 136.7457



69.9960, 49.5171, 80.8129

Sweetspot

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



40.7787, 49.5194, 13.8881



85.0653, 94.4724, 71.1835



26.5032, 17.9996, 8.5566



18.4040, 20.5944, 14.6038



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.



40.7787, 49.5194, 13.8881



71.8554, 88.8159, 18.4543



29.1339, 43.5163, 13.3432



10.8449, 11.7230, 10.7531



25.2490, 31.8452, 4.8160



1.1113, 1.3864, 0.2090

Inverse Universe

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



15.6677, 10.5876, 52.2598



22.7193, 12.5349, 93.6918



23.3433, 14.5445, 52.6190



9.5892, 9.7794, 12.6670



6.5365, 2.6301, 33.7198



0.3043, 0.1249, 1.4580

Previews

White Background



This preview shows how the XYZ color 40.7775, 49.5171, 13.8871 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 40.7775, 49.5171, 13.8871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

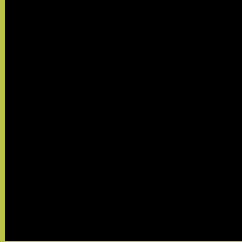
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7775, 49.5171, 13.8871

Background



This preview shows how black text looks on a background with the XYZ color 40.7775, 49.5171, 13.8871.



This preview shows how white text looks on a background with the XYZ color 40.7775, 49.5171,

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

40.7775, 49.5171, 13.8871

Protanopia

44.9524, 49.4184, 13.3004

Deuteranopia

50.0884, 48.9977, 14.2147



Tritanopia

49.9805, 49.4472, 59.1346

Trichromacy



Original Color

40.7775, 49.5171, 13.8871

Protanomaly

43.4355, 49.5873, 13.5853

Deuteranomaly

46.2974, 48.8499, 14.0100

Tritanomaly

45.4745, 48.8541, 36.7388

Monochromacy



Original Color

40.7775, 49.5171, 13.8871

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.9302, 45.9982, 31.5322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7775, 49.5171, 13.8871 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(186, 194, 74)` looks like.

```
.text, #text, p{  
    color:rgb(186, 194, 74)  
}
```

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(186, 194, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 194, 74) }
```

Border

The CSS property to change the border of an element to XYZ 40.7775, 49.5171, 13.8871 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(186, 194, 74) }
```


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

```
.border{ border-color:rgb(186, 194, 74) }
```

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

Here you see how a box with a 4 pixel rgb(186, 194, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 194, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 194, 74);  
box-shadow:4px 4px 4px 4px rgb(186, 194,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7775, 49.5171, 13.8871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 194, 74) }
```

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

```
.background{ background-color: rgb(186,  
194, 74) }
```

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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