

Converting Colors

XYZ(40.3387, 48.3856, 14.1470)

Have a look what the booklet for
XYZ(40.3387, 48.3856, 14.1470)
contains.

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Color

**XYZ(40.2201, 48.2365,
14.2119)**

Conversions

Conversions Part 1

Format	Color
Hex	BABF4D
RGB	186, 191, 77
RGB Percent	73%, 75%, 30%
CMY	0.2706, 0.2510, 0.6980
CMYK	0.03, 0.00, 0.60, 0.25
HSL	63°, 47%, 53%
HSV	63°, 60%, 75%
XYZ	40.2201, 48.2365, 14.2119
YIQ	176.5090, 33.6140, -36.5140

Conversions

Conversions Part 2

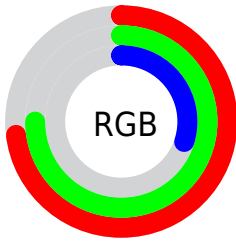
Format	Color
RYB	77, 191, 82
Decimal	12238669
CIELab	74.97, -16.75, 55.40
CIELCh	75, 57.876, 106.821
Yxy	48.2365, 0.3917, 0.4698
Android (android.graphics.Color)	4290428749 (0xFFBABF4D)
YUV	176.5090, -49.0579, 8.3236
Hunter-Lab	69.4525, -18.1721, 36.4844

Details

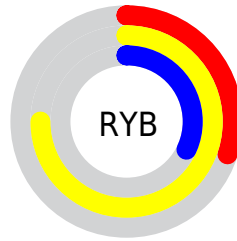
The XYZ color **40.2201, 48.2365, 14.2119** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **15.5390, 10.8642, 50.5711**, and the grayscale version is **41.7701, 43.9454, 47.8566**.

A 20% lighter version of the original color is **74.5983, 87.3663, 34.0507**, and **18.4119, 22.9698, 4.0793** is the 20% darker color. If you saturate the color by 10%, you get **39.4397, 47.9026, 11.1575**, and if you desaturate by 10%, it is **41.2020, 48.6546, 18.3111**.

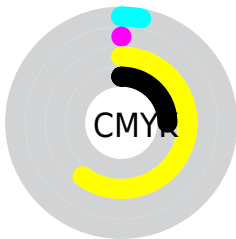
Distribution



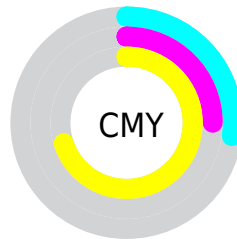
- Red (73%)
- Green (75%)
- Blue (30%)



- Red (30%)
- Yellow (75%)
- Blue (32%)



- Cyan (3%)
- Magenta (0%)
- Yellow (60%)
- Black (25%)



- Cyan (27%)
- Magenta (25%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2201, 48.2365, 14.2119 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 40.2201, 48.2365, 14.2119 by changing the saturation by 10% instead.

40.2201, 48.2365,
14.2119

40.2201, 48.2365,
14.2119

338.1689,
379.7288, 230.0192

27.8952, 34.0142,
8.1278

74.7808, 87.5564,
34.1871

18.3867, 22.9045,
4.0879

97.7472, 113.4229,
48.9152

11.3293, 14.5230,
1.6737

124.9915,
143.9394, 67.3617

6.3577, 8.4853,
0.3426

156.8791,
179.4906, 89.9451

3.1065, 4.4070,
0.0000

193.7753,
220.4607, 117.0841

1.2103, 1.9038,
0.0000

236.0454,

0.1145, 0.5506,

267.2342, 149.1970

0.0000

284.0548,
320.1954, 186.7026

■ 0.0000, 0.0000,
0.0000

■ 40.2201, 48.2365,
14.2119

■ 40.2201, 48.2365,
14.2119

■ 39.4397, 47.9026,
11.1575

■ 41.2020, 48.6546,
18.3111

■ 38.8394, 47.6392,
9.0506

■ 42.3977, 49.1567,
23.5349

■ 38.3993, 47.4400,
7.7810

■ 43.8225, 49.7505,
29.9590

■ 38.0794, 47.2890,
7.1379

■ 45.4894, 50.4412,
37.6514

■ 38.0699, 47.2844,
7.1203

■ 47.4103, 51.2338,
46.6752

■ 49.5965, 52.1325,
57.0893

■ 52.0583, 53.1417,
68.9490

■ 54.8058, 54.2653,
82.3067

■ 57.8484, 55.5070,
97.2120

Harmonies

Analogous

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



50.6332, 48.2365, 13.8156



40.2201, 48.2365, 14.2119



32.5800, 48.2365, 21.9376

Triad

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



40.2201, 48.2365, 14.2119



33.3119, 48.2365, 107.3479



68.5896, 48.2365, 66.9230

Complementary

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



40.2201, 48.2365, 14.2119



15.5390, 10.8642, 50.5711

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.



62.3012, 48.2365, 103.1946



40.2201, 48.2365, 14.2119



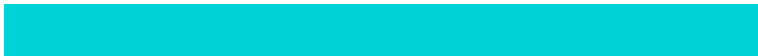
41.3730, 48.2365, 131.9015

Square

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



40.2201, 48.2365, 14.2119



29.0316, 48.2365, 71.2061



51.9764, 48.2365, 130.1424



68.1537, 48.2365, 37.4295

Rectangle

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



40.2201, 48.2365, 14.2119



29.6031, 48.2365, 32.8003



51.9764, 48.2365, 130.1424



67.1556, 48.2365, 78.8894

Sweetspot

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



40.2212, 48.2387, 14.2129



81.9210, 90.5230, 69.5469



25.7546, 17.4685, 9.0361



17.7816, 19.7922, 14.3054



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.2212, 48.2387, 14.2129



70.2264, 85.6120, 18.4958



29.2088, 42.5616, 13.6975



10.2797, 11.0986, 10.1771



25.0360, 31.0824, 4.6800



0.9936, 1.2242, 0.1839

Inverse Universe

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



15.5390, 10.8642, 50.5711



22.0534, 12.6061, 89.5500



22.5075, 14.4566, 50.8972



9.0542, 9.2448, 11.9794



6.2671, 2.5169, 32.5484



0.2589, 0.1055, 1.2756

Previews

White Background



This preview shows how the XYZ color 40.2201, 48.2365, 14.2119 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 40.2201, 48.2365, 14.2119 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 40.2201, 48.2365, 14.2119

Background



This preview shows how black text looks on a background with the XYZ color 40.2201, 48.2365, 14.2119.



This preview shows how white text looks on a background with the XYZ color 40.2201, 48.2365,

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

40.2201, 48.2365, 14.2119

Protanopia

43.7958, 48.1851, 13.6490

Deuteranopia

48.8479, 47.7631, 14.6273



Tritanopia

49.0344, 48.0962, 57.1512

Trichromacy



Original Color

40.2201, 48.2365, 14.2119

Protanomaly

42.3635, 48.0682, 13.8828

Deuteranomaly

45.4124, 47.7731, 14.4170

Tritanomaly

44.7675, 47.5707, 36.1007

Monochromacy



Original Color

40.2201, 48.2365, 14.2119

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.3581, 45.0823, 31.7740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2201, 48.2365, 14.2119 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, 191, 77)` looks like.

```
.text, #text, p{  
    color:rgb(186, 191, 77)  
}
```

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, 191, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 191, 77) }
```

Border

The CSS property to change the border of an element to XYZ 40.2201, 48.2365, 14.2119 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, 191, 77) }
```


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

```
.border{ border-color:rgb(186, 191, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 191, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 191, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 191, 77);  
box-shadow:4px 4px 4px 4px rgb(186, 191,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2201, 48.2365, 14.2119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 191, 77) }
```

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

```
.background{ background-color: rgb(186,  
191, 77) }
```

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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