

Converting Colors

XYZ(41.9739, 48.3015, 23.0304)

Have a look what the booklet for
XYZ(41.9739, 48.3015, 23.0304)
contains.

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Color

**XYZ(41.9739, 48.3015,
23.0304)**

Conversions

Conversions Part 1

Format	Color
Hex	BCBD72
RGB	188, 189, 114
RGB Percent	74%, 74%, 45%
CMY	0.2627, 0.2588, 0.5529
CMYK	0.01, 0.00, 0.40, 0.26
HSL	61°, 36%, 59%
HSV	61°, 40%, 74%
XYZ	41.9739, 48.3015, 23.0304
YIQ	180.1510, 23.4790, -23.5370

Conversions

Conversions Part 2

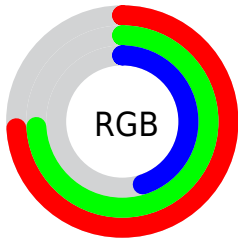
Format	Color
RYB	114, 189, 115
Decimal	12369266
CIELab	75.01, -11.55, 37.76
CIELCh	75, 39.484, 107.002
Yxy	48.3015, 0.3704, 0.4263
Android (android.graphics.Color)	4290559346 (0xFFBCBD72)
YUV	180.1510, -32.6124, 6.8836
Hunter-Lab	69.4993, -13.8192, 29.0022

Details

The XYZ color **41.9739, 48.3015, 23.0304** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.2746, 19.3548, 50.7089**, and the grayscale version is **43.6255, 45.8974, 49.9823**.

A 20% lighter version of the original color is **77.2836, 87.5073, 49.3765**, and **19.4024, 22.9650, 8.2606** is the 20% darker color. If you saturate the color by 10%, you get **40.9455, 47.8847, 17.9353**, and if you desaturate by 10%, it is **43.2271, 48.8117, 29.2983**.

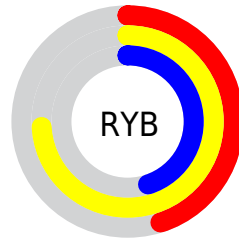
Distribution



Red (74%)

Green (74%)

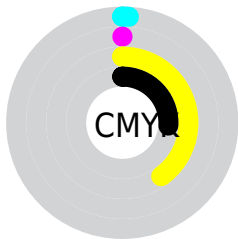
Blue (45%)



Red (45%)

Yellow (74%)

Blue (45%)

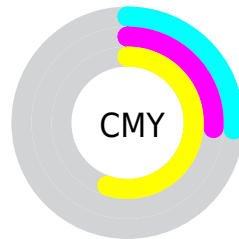


Cyan (1%)

Magenta (0%)

Yellow (40%)

Black (26%)



Cyan (26%)

Magenta (26%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9739, 48.3015, 23.0304 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 41.9739, 48.3015, 23.0304 by changing the saturation by 10% instead.

■ 41.9739, 48.3015,
23.0304

■ 41.9739, 48.3015,
23.0304

345.3682,
379.9860, 281.0081

■ 29.2719, 34.0657,
14.4104

■ 77.4255, 87.6531,
49.3671

■ 19.4319, 22.9441,
8.2647

■ 100.9059,
113.5378, 67.9209

■ 12.0886, 14.5522,
4.1746

■ 128.7096,
144.0742, 90.6230

■ 6.8767, 8.5057,
1.7216

161.2023,
179.6467, 117.8921

■ 3.4307, 4.4202,
0.3755

198.7491,
220.6397, 150.1466

■ 1.3854, 1.9113,
0.0000

241.7154,

■ 0.2458, 0.5552,

267.4377, 187.8050

0.0000

290.4667,
320.4250, 231.2860

■ 0.0000, 0.0000,
0.0000

■ 41.9739, 48.3015,
23.0304

■ 41.9739, 48.3015,
23.0304

■ 40.9455, 47.8847,
17.9353

■ 43.2271, 48.8117,
29.2983

■ 40.1246, 47.5491,
13.9373

■ 44.7141, 49.4138,
36.8024

■ 39.4970, 47.2909,
10.9567


■ 46.4479, 50.1145,
45.6051


■ 39.0453, 47.1030,
8.9016


■ 48.4393, 50.9183,
55.7638


■ 38.7489, 46.9773,
7.6639


■ 50.6985, 51.8293,
67.3324


 38.5685, 46.8980,
7.0366

 53.2352, 52.8512,
80.3620

 38.5633, 46.8957,
7.0193

 56.0588, 53.9879,
94.9010

 57.4905, 54.5679,
102.1103

 57.5538, 54.6006,
102.1133

Harmonies

Analogous

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



49.0979, 48.3015, 22.6188



41.9739, 48.3015, 23.0304



36.4989, 48.3015, 29.8986

Triad

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



41.9739, 48.3015, 23.0304



37.0899, 48.3015, 87.2983



60.7836, 48.3015, 62.0356

Complementary

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



41.9739, 48.3015, 23.0304



22.2746, 19.3548, 50.7089

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.



56.8120, 48.3015, 84.5769



41.9739, 48.3015, 23.0304



42.8615, 48.3015, 101.5327

Square

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



41.9739, 48.3015, 23.0304



33.8882, 48.3015, 65.0757



50.0829, 48.3015, 100.4234



60.4818, 48.3015, 41.8168

Rectangle

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



41.9739, 48.3015, 23.0304



34.2948, 48.3015, 38.5568



50.0829, 48.3015, 100.4234



59.8878, 48.3015, 69.6769

Sweetspot

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



41.9751, 48.3037, 23.0314



82.3616, 89.4179, 77.4945



30.0424, 24.0695, 18.9827



17.6223, 19.1929, 16.2117



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



41.9751, 48.3037, 23.0314



73.4820, 85.8187, 32.8717



34.0922, 44.2399, 22.6625



10.3093, 11.1138, 10.1785



25.9506, 31.5539, 4.7228



1.0206, 1.2381, 0.1852

Inverse Universe

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



22.2746, 19.3548, 50.7089



33.1122, 26.4927, 89.5946



28.0596, 22.3370, 50.9796



9.0280, 9.2313, 11.9782



6.2067, 2.4857, 32.5456



0.2472, 0.0995, 1.2750

Previews

White Background



This preview shows how the XYZ color 41.9739, 48.3015, 23.0304 looks on a white background.

Color Contrast Check

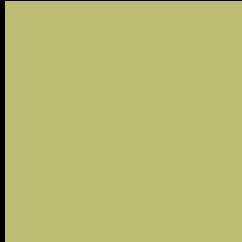
Large Text (above 18pt) WCAG AA × Fail

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 41.9739, 48.3015, 23.0304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

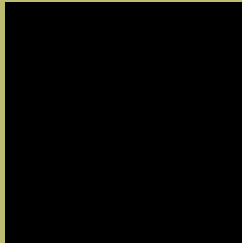
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

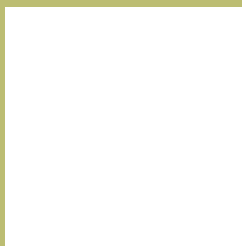
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9739, 48.3015, 23.0304

Background



This preview shows how black text looks on a background with the XYZ color 41.9739, 48.3015, 23.0304.



This preview shows how white text looks on a background with the XYZ color 41.9739, 48.3015,

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

41.9739, 48.3015, 23.0304

Protanopia

44.6307, 48.4243, 22.3238

Deuteranopia

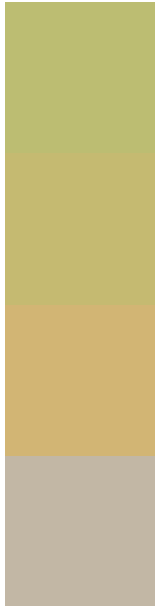
49.1676, 48.0230, 23.5076



Tritanopia

48.8837, 48.0056, 57.7285

Trichromacy



Original Color

41.9739, 48.3015, 23.0304

Protanomaly

43.5655, 48.1804, 22.6264

Deuteranomaly

46.2546, 48.0103, 23.3520

Tritanomaly

45.9732, 48.0529, 42.4494

Monochromacy



Original Color

41.9739, 48.3015, 23.0304

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.4627, 46.3346, 38.1579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9739, 48.3015, 23.0304 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(188, 189, 114)` looks like.

```
.text, #text, p{  
    color:rgb(188, 189, 114)  
}
```

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(188, 189, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 189, 114) }
```

Border

The CSS property to change the border of an element to XYZ 41.9739, 48.3015, 23.0304 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(188, 189, 114) }
```


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

```
.border{ border-color:rgb(188, 189, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 189, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 189, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 189, 114);  
box-shadow:4px 4px 4px 4px rgb(188, 189,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9739, 48.3015, 23.0304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 189, 114) }
```

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

```
.background{ background-color: rgb(188,  
189, 114) }
```

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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