

Converting Colors

XYZ(36.8101, 42.9391, 16.7110)

Have a look what the booklet for
XYZ(36.8101, 42.9391, 16.7110)
contains.

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Color

**XYZ(36.8874, 43.0165,
16.7148)**

Conversions

Conversions Part 1

Format	Color
Hex	B3B45D
RGB	179, 180, 93
RGB Percent	70%, 71%, 36%
CMY	0.2980, 0.2941, 0.6353
CMYK	0.01, 0.00, 0.48, 0.29
HSL	61°, 37%, 54%
HSV	61°, 48%, 71%
XYZ	36.8874, 43.0165, 16.7148
YIQ	169.7830, 27.3310, -27.2690

Conversions

Conversions Part 2

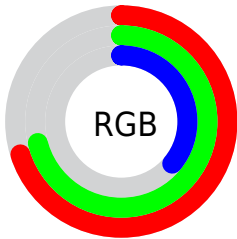
Format	Color
RYB	93, 180, 94
Decimal	11777117
CIELab	71.57, -12.73, 43.89
CIELCh	72, 45.696, 106.174
Yxy	43.0165, 0.3818, 0.4452
Android (android.graphics.Color)	4289967197 (0xFFB3B45D)
YUV	169.7830, -37.8540, 8.0833
Hunter-Lab	65.5870, -14.3853, 30.8009

Details

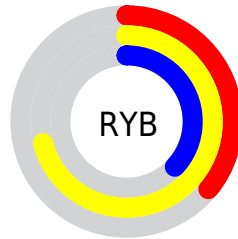
The XYZ color **36.8874, 43.0165, 16.7148** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **16.7702, 13.5047, 44.9054**, and the grayscale version is **38.2743, 40.2675, 43.8513**.

A 20% lighter version of the original color is **69.6984, 79.8681, 38.5307**, and **16.3376, 19.6382, 5.2150** is the 20% darker color. If you saturate the color by 10%, you get **36.1346, 42.7114, 12.9966**, and if you desaturate by 10%, it is **37.8301, 43.4007, 21.4231**.

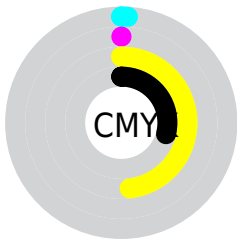
Distribution



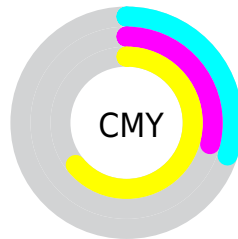
- Red (70%)
- Green (71%)
- Blue (36%)



- Red (36%)
- Yellow (71%)
- Blue (37%)



- Cyan (1%)
- Magenta (0%)
- Yellow (48%)
- Black (29%)



- Cyan (30%)
- Magenta (29%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8874, 43.0165, 16.7148 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 36.8874, 43.0165, 16.7148 by changing the saturation by 10% instead.

■ 36.8874, 43.0165,
16.7148

■ 36.8874, 43.0165,
16.7148

324.1868,
358.6796, 245.5115

■ 25.2936, 29.8981,
9.8716

■ 69.7145, 79.7358,
38.6187

■ 16.4258, 19.7612,
5.2094

■ 91.6786, 104.1054,
54.5164

■ 9.9187, 12.2216,
2.3098

■ 117.8301,
132.9942, 74.2693

■ 5.4070, 6.8948,
0.7367

■ 148.5344,
166.7865, 98.2960

■ 2.5252, 3.3964,
0.0000

184.1568,
205.8669, 127.0151

■ 0.9080, 1.3420,
0.0000

225.0628,

■ 0.0000, 0.1734,

250.6196, 160.8450

0.0000

271.6177,
301.4290, 200.2043

■ 0.0000, 0.0000,
0.0000

■ 36.8874, 43.0165,
16.7148

■ 36.8874, 43.0165,
16.7148

■ 36.1346, 42.7114,
12.9966

■ 37.8301, 43.4007,
21.4231

■ 35.5551, 42.4740,
10.1955

■ 38.9715, 43.8628,
27.1825

■ 35.1349, 42.3004,
8.2325

■ 40.3239, 44.4093,
34.0520


■ 34.8562, 42.1834,
7.0146


■ 41.8974, 45.0443,
42.0857


■ 34.6895, 42.1112,
6.3861


■ 43.7016, 45.7716,
51.3339

 34.6651, 42.1006,
6.2992

 45.7455, 46.5948,
61.8444

 48.0378, 47.5173,
73.6618

 50.5864, 48.5424,
86.8291

 53.3981, 49.6727,
101.3811

Harmonies

Analogous

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



44.5384, 43.0165, 16.4890



36.8874, 43.0165, 16.7148



31.0810, 43.0165, 23.1286

Triad

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



36.8874, 43.0165, 16.7148



31.4407, 43.0165, 84.7072



57.0671, 43.0165, 57.7542

Complementary

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



36.8874, 43.0165, 16.7148



16.7702, 13.5047, 44.9054

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.



52.5622, 43.0165, 82.8918



36.8874, 43.0165, 16.7148



37.4387, 43.0165, 101.4606

Square

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



36.8874, 43.0165, 16.7148



28.2178, 43.0165, 59.7109



45.1634, 43.0165, 100.7076



56.8707, 43.0165, 35.9619

Rectangle

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



36.8874, 43.0165, 16.7148



28.7505, 43.0165, 31.6723



45.1634, 43.0165, 100.7076



56.0302, 43.0165, 66.2043

Sweetspot

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



36.8884, 43.0185, 16.7157



74.2299, 80.9704, 67.4423



24.7140, 18.3234, 12.5907



15.9162, 17.4491, 13.9264



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



36.8884, 43.0185, 16.7157



65.4371, 77.4081, 23.1798



28.5335, 38.7113, 16.3247



9.1872, 9.9016, 9.0795



24.1969, 29.3840, 4.3964



0.7644, 0.9261, 0.1385

Inverse Universe

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



16.7702, 13.5047, 44.9054



24.6223, 17.5256, 80.3796



22.3886, 16.4012, 45.1683



8.0507, 8.2347, 10.6715



5.7719, 2.3113, 30.2789



0.1846, 0.0743, 0.9528

Previews

White Background



This preview shows how the XYZ color 36.8874, 43.0165, 16.7148 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 36.8874, 43.0165, 16.7148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

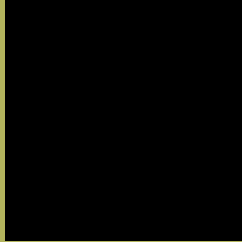
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8874, 43.0165, 16.7148

Background



This preview shows how black text looks on a background with the XYZ color 36.8874, 43.0165, 16.7148.



This preview shows how white text looks on a background with the XYZ color 36.8874, 43.0165,

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

36.8874, 43.0165, 16.7148

Protanopia

39.2106, 42.7527, 16.0830

Deuteranopia

43.6616, 42.7781, 17.0221



Tritanopia

43.9082, 42.9872, 50.7829

Trichromacy



Original Color

36.8874, 43.0165, 16.7148

Protanomaly

38.3929, 42.9084, 16.3838

Deuteranomaly

40.9055, 42.7488, 16.9219

Tritanomaly

40.6487, 42.7884, 34.9707

Monochromacy



Original Color

36.8874, 43.0165, 16.7148

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.2521, 41.1093, 31.5627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8874, 43.0165, 16.7148 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(179, 180, 93)` looks like.

```
.text, #text, p{  
    color:rgb(179, 180, 93)  
}
```

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(179, 180, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 180, 93) }
```

Border

The CSS property to change the border of an element to XYZ 36.8874, 43.0165, 16.7148 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(179, 180, 93) }
```


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

```
.border{ border-color:rgb(179, 180, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 180, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 180, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 180, 93);  
box-shadow:4px 4px 4px 4px rgb(179, 180,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8874, 43.0165, 16.7148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 180, 93) }
```

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

```
.background{ background-color: rgb(179,  
180, 93) }
```

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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