

Converting Colors

XYZ(36.2017, 42.8499, 16.6028)

Have a look what the booklet for
XYZ(36.2017, 42.8499, 16.6028)
contains.

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Color

**XYZ(36.4042, 43.0682,
16.7502)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B55D
RGB	176, 181, 93
RGB Percent	69%, 71%, 36%
CMY	0.3098, 0.2902, 0.6353
CMYK	0.03, 0.00, 0.49, 0.29
HSL	63°, 37%, 54%
HSV	63°, 49%, 71%
XYZ	36.4042, 43.0682, 16.7502
YIQ	169.4730, 25.2680, -28.4280

Conversions

Conversions Part 2

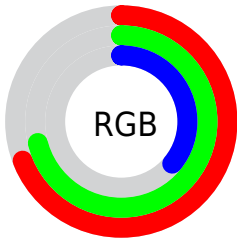
Format	Color
RYB	93, 181, 98
Decimal	11580765
CIELab	71.60, -14.48, 43.87
CIELCh	72, 46.200, 108.264
Yxy	43.0682, 0.3783, 0.4476
Android (android.graphics.Color)	4289770845 (0xFFB0B55D)
YUV	169.4730, -37.7012, 5.7242
Hunter-Lab	65.6264, -15.8288, 30.8055

Details

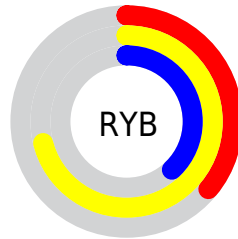
The XYZ color **36.4042, 43.0682, 16.7502** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **17.2933, 13.7626, 45.4636**, and the grayscale version is **38.1199, 40.1051, 43.6745**.

A 20% lighter version of the original color is **68.9993, 79.9363, 38.5807**, and **16.0404, 19.6777, 5.2383** is the 20% darker color. If you saturate the color by 10%, you get **35.4641, 42.6669, 13.0054**, and if you desaturate by 10%, it is **37.5379, 43.5502, 21.4962**.

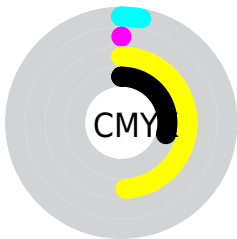
Distribution



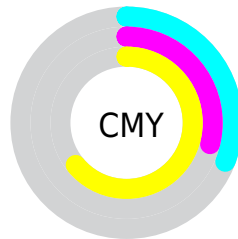
- Red (69%)
- Green (71%)
- Blue (36%)



- Red (36%)
- Yellow (71%)
- Blue (38%)



- Cyan (3%)
- Magenta (0%)
- Yellow (49%)
- Black (29%)



- Cyan (31%)
- Magenta (29%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4042, 43.0682, 16.7502 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 36.4042, 43.0682, 16.7502 by changing the saturation by 10% instead.

■ 36.4042, 43.0682,
16.7502

■ 36.4042, 43.0682,
16.7502

322.1243,
358.8922, 245.7237

■ 24.9181, 29.9386,
9.8965

■ 68.9753, 79.8138,
38.6805

■ 16.1444, 19.7920,
5.2257

■ 90.7910, 104.1986,
54.5942

■ 9.7179, 12.2439,
2.3192

■ 116.7805,
133.1039, 74.3650

■ 5.2732, 6.9100,
0.7420

■ 147.3094,
166.9141, 98.4113

■ 2.4448, 3.4059,
0.0000

182.7428,
206.0137, 127.1519

■ 0.8675, 1.3471,
0.0000

223.4462,

■ 0.0000, 0.1773,

250.7869, 161.0051

0.0000

269.7849,
301.6183, 200.3895

■ 0.0000, 0.0000,
0.0000

■ 36.4042, 43.0682,
16.7502

■ 36.4042, 43.0682,
16.7502

■ 35.4641, 42.6669,
13.0054

■ 37.5379, 43.5502,
21.4962

■ 34.7009, 42.3351,
10.1875

■ 38.8744, 44.1120,
27.3054

■ 34.1002, 42.0684,
8.2163


■ 40.4260, 44.7601,
34.2378


■ 33.6440, 41.8597,
6.9967


■ 42.2030, 45.4985,
42.3483


■ 33.3011, 41.6966,
6.3649

■ 44.2153, 46.3312,
51.6881

 33.2565, 41.6752,
6.2913

 46.4719, 47.2619,
62.3055

 48.9816, 48.2940,
74.2461

 51.7526, 49.4308,
87.5532

 54.6463, 50.6169,
101.4976

Harmonies

Analogous

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



44.0679, 43.0682, 16.1197



36.4042, 43.0682, 16.7502



30.7151, 43.0682, 23.6847

Triad

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



36.4042, 43.0682, 16.7502



31.7251, 43.0682, 86.8934



57.4794, 43.0682, 56.2024

Complementary

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



36.4042, 43.0682, 16.7502



17.2933, 13.7626, 45.4636

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.



53.2025, 43.0682, 81.7695



36.4042, 43.0682, 16.7502



37.9543, 43.0682, 102.9051

Square

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



36.4042, 43.0682, 16.7502



28.2600, 43.0682, 61.7147



45.8270, 43.0682, 100.7780



56.9258, 43.0682, 34.6590

Rectangle

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



36.4042, 43.0682, 16.7502



28.5038, 43.0682, 32.6950



45.8270, 43.0682, 100.7780



56.5389, 43.0682, 64.7032

Sweetspot

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



36.4052, 43.0702, 16.7511



73.4238, 80.5866, 65.9677



25.3451, 19.2387, 12.7341



15.7319, 17.3604, 13.6330



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.



36.4052, 43.0702, 16.7511



63.4587, 76.3882, 23.0872



28.1111, 38.7944, 16.3629



9.1484, 9.8816, 9.0777



22.9451, 28.7387, 4.3378



0.7363, 0.9116, 0.1372

Inverse Universe

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



17.2933, 13.7626, 45.4636



25.3313, 17.8911, 80.4128



23.3088, 16.8637, 45.7452



8.0852, 8.2525, 10.6731



5.8587, 2.3561, 30.2830



0.1991, 0.0817, 0.9535

Previews

White Background



This preview shows how the XYZ color 36.4042, 43.0682, 16.7502 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 36.4042, 43.0682, 16.7502 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 36.4042, 43.0682, 16.7502

Background



This preview shows how black text looks on a background with the XYZ color 36.4042, 43.0682, 16.7502.



This preview shows how white text looks on a background with the XYZ color 36.4042, 43.0682,

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

36.4042, 43.0682, 16.7502

Protanopia

39.2106, 42.7527, 16.0830

Deuteranopia

43.6616, 42.7781, 17.0221



Tritanopia

43.4643, 43.0256, 51.3614

Trichromacy



Original Color

36.4042, 43.0682, 16.7502

Protanomaly

38.1474, 42.7818, 16.3723

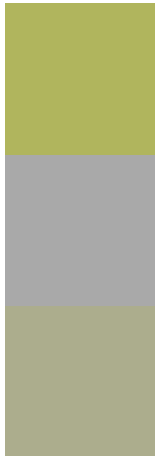
Deuteranomaly

40.6375, 42.6106, 16.9093

Tritanomaly

40.2073, 42.8394, 35.4278

Monochromacy



Original Color

36.4042, 43.0682, 16.7502

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.7645, 40.5809, 31.0945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4042, 43.0682, 16.7502 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(176, 181, 93)` looks like.

```
.text, #text, p{  
    color:rgb(176, 181, 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(176, 181, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 181, 93) }
```

Border

The CSS property to change the border of an element to XYZ 36.4042, 43.0682, 16.7502 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(176, 181, 93) }
```


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

```
.border{ border-color:rgb(176, 181, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 181, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 181, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 181, 93);  
box-shadow:4px 4px 4px 4px rgb(176, 181,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4042, 43.0682, 16.7502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 181, 93) }
```

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

```
.background{ background-color: rgb(176,  
181, 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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