

Converting Colors

XYZ(37.0040, 41.6710, 23.4653)

Have a look what the booklet for
XYZ(37.0040, 41.6710, 23.4653)
contains.

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Color

**XYZ(36.9866, 41.7297,
23.5580)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B077
RGB	177, 176, 119
RGB Percent	69%, 69%, 47%
CMY	0.3059, 0.3098, 0.5333
CMYK	0.00, 0.01, 0.33, 0.31
HSL	59°, 27%, 58%
HSV	59°, 33%, 69%
XYZ	36.9866, 41.7297, 23.5580
YIQ	169.8010, 18.8930, -17.5150

Conversions

Conversions Part 2

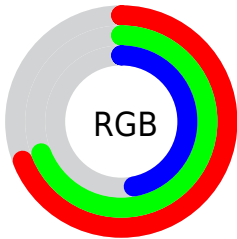
Format	Color
RYB	120, 177, 119
Decimal	11645047
CIELab	70.68, -8.60, 29.39
CIELCh	71, 30.621, 106.311
Yxy	41.7297, 0.3616, 0.4080
Android (android.graphics.Color)	4289835127 (0xFFB1B077)
YUV	169.8010, -25.0449, 6.3135
Hunter-Lab	64.5985, -10.8453, 23.5969

Details

The XYZ color **36.9866, 41.7297, 23.5580** is a light color, and the websafe version is hex **999966**. A complement of this color would be **22.2600, 20.5287, 44.3843**, and the grayscale version is **38.2244, 40.2151, 43.7942**.

A 20% lighter version of the original color is **69.9073, 78.0154, 50.4037**, and **16.4815, 19.0685, 8.6063** is the 20% darker color. If you saturate the color by 10%, you get **35.9620, 41.2261, 18.4516**, and if you desaturate by 10%, it is **38.2114, 42.3165, 29.7089**.

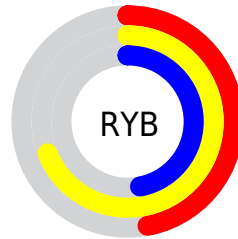
Distribution



Red (69%)

Green (69%)

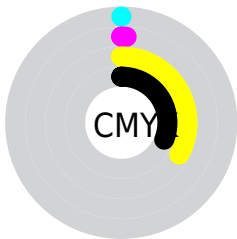
Blue (47%)



Red (47%)

Yellow (69%)

Blue (47%)

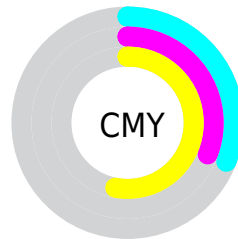


Cyan (0%)

Magenta (1%)

Yellow (33%)

Black (31%)



Cyan (31%)

Magenta (31%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9866, 41.7297, 23.5580 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 36.9866, 41.7297, 23.5580 by changing the saturation by 10% instead.

■ 36.9866, 41.7297,
23.5580

■ 36.9866, 41.7297,
23.5580

324.6090,
353.3612, 283.7924

■ 25.3707, 28.8897,
14.7969

■ 69.8661, 77.7904,
50.2427

■ 16.4837, 18.9974,
8.5319

■ 91.8605, 101.7798,
69.0034

■ 9.9601, 11.6684,
4.3446

■ 118.0452,
130.2546, 91.9344

■ 5.4346, 6.5183,
1.8162

148.7854,
163.5990, 119.4542

■ 2.5418, 3.1627,
0.4386

184.4465,
202.1975, 151.9813

■ 0.9164, 1.2173,
0.0000

225.3939,

■ 0.0000, 0.0757,

246.4344, 189.9344

0.0000

271.9930,
296.6942, 233.7319

■ 0.0000, 0.0000,
0.0000

■ 36.9866, 41.7297,
23.5580

■ 36.9866, 41.7297,
23.5580

■ 35.9620, 41.2261,
18.4516

■ 38.2114, 42.3165,
29.7089

■ 35.1235, 40.7957,
14.3291

■ 39.6435, 42.9850,
36.9551

■ 34.4601, 40.4355,
11.1277

■ 41.2933, 43.7408,
45.3475

■ 33.9582, 40.1402,
8.7762

■ 43.1698, 44.5875,
54.9327

■ 33.6023, 39.9035,
7.1933

■ 45.2813, 45.5284,
65.7550

■ 33.3741, 39.7180,
6.2814

■ 47.6358, 46.5667,
77.8563

■ 33.2602, 39.6045,
5.8914

■ 50.2410, 47.7055,
91.2765

■ 52.1887, 48.5815,
101.2343

■ 52.2494, 48.7029,
101.2545

Harmonies

Analogous

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



42.0156, 41.7297, 23.3451



36.9866, 41.7297, 23.5580



33.0210, 41.7297, 28.7470

Triad

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



36.9866, 41.7297, 23.5580



33.3011, 41.7297, 68.7709



49.9119, 41.7297, 52.3712

Complementary

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



36.9866, 41.7297, 23.5580



22.2600, 20.5287, 44.3843

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.



47.1404, 41.7297, 67.5863



36.9866, 41.7297, 23.5580



37.3996, 41.7297, 78.3311

Square

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



36.9866, 41.7297, 23.5580



31.0206, 41.7297, 53.7402



42.4651, 41.7297, 77.8564



49.7774, 41.7297, 38.0356

Rectangle

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



36.9866, 41.7297, 23.5580



31.3863, 41.7297, 35.1143



42.4651, 41.7297, 77.8564



49.2797, 41.7297, 57.6060

Sweetspot

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



36.9876, 41.7316, 23.5589



71.7291, 77.3207, 69.8873



28.1758, 23.9201, 21.2003



15.4608, 16.7179, 14.7188



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



36.9876, 41.7316, 23.5589



64.9395, 74.1004, 35.6891



31.6177, 39.2541, 23.3637



9.1843, 9.8811, 9.0757



24.1029, 28.7044, 4.2701



0.7623, 0.9110, 0.1357

Inverse Universe

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



22.2600, 20.5287, 44.3843



34.6306, 30.4670, 78.5508



26.3990, 22.4856, 44.5439



8.0533, 8.2527, 10.6748



5.7783, 2.3569, 30.2874



0.1857, 0.0819, 0.9543

Previews

White Background



This preview shows how the XYZ color 36.9866, 41.7297, 23.5580 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 36.9866, 41.7297, 23.5580 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

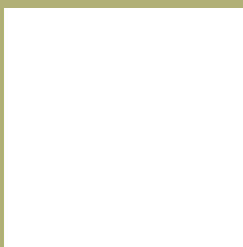
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9866, 41.7297, 23.5580

Background



This preview shows how black text looks on a background with the XYZ color 36.9866, 41.7297, 23.5580.



This preview shows how white text looks on a background with the XYZ color 36.9866, 41.7297,

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

36.9866, 41.7297, 23.5580

Protanopia

38.7071, 41.7599, 23.1599

Deuteranopia

42.3599, 41.4126, 23.8500



Tritanopia

42.1103, 41.5318, 49.5131

Trichromacy



Original Color

36.9866, 41.7297, 23.5580

Protanomaly

37.9345, 41.6474, 23.1789

Deuteranomaly

40.0838, 41.3341, 23.6349

Tritanomaly

39.7905, 41.4182, 38.2451

Monochromacy



Original Color

36.9866, 41.7297, 23.5580

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.5720, 40.6236, 35.1390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9866, 41.7297, 23.5580 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(177, 176, 119)` looks like.

```
.text, #text, p{  
    color:rgb(177, 176, 119)  
}
```

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(177, 176, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 176, 119) }
```

Border

The CSS property to change the border of an element to XYZ 36.9866, 41.7297, 23.5580 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(177, 176, 119) }
```


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

```
.border{ border-color:rgb(177, 176, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 176, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 176, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 176, 119);  
box-shadow:4px 4px 4px 4px rgb(177, 176,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9866, 41.7297, 23.5580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 176, 119) }
```

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

```
.background{ background-color: rgb(177,  
176, 119) }
```

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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