

Converting Colors

XYZ(36.7564, 42.1909, 18.1089)

Have a look what the booklet for
XYZ(36.7564, 42.1909, 18.1089)
contains.

XYZ(36.7629, 42.3253, 18.0364)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.7629, 42.3253,
18.0364)**

Conversions

Conversions Part 1

Format	Color
Hex	B3B263
RGB	179, 178, 99
RGB Percent	70%, 70%, 39%
CMY	0.2980, 0.3019, 0.6118
CMYK	0.00, 0.01, 0.45, 0.30
HSL	59°, 34%, 55%
HSV	59°, 45%, 70%
XYZ	36.7629, 42.3253, 18.0364
YIQ	169.2930, 25.9550, -24.3570

Conversions

Conversions Part 2

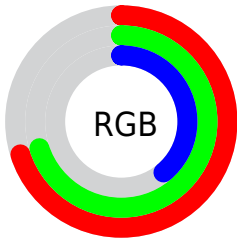
Format	Color
RYB	100, 179, 99
Decimal	11776611
CIELab	71.09, -11.11, 40.32
CIElCh	71, 41.825, 105.400
Yxy	42.3253, 0.3785, 0.4358
Android (android.graphics.Color)	4289966691 (0xFFB3B263)
YUV	169.2930, -34.6544, 8.5130
Hunter-Lab	65.0579, -12.9846, 29.1032

Details

The XYZ color **36.7629, 42.3253, 18.0364** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **17.8394, 15.0213, 44.6069**, and the grayscale version is **38.0154, 39.9952, 43.5547**.

A 20% lighter version of the original color is **69.6008, 78.9129, 40.8415**, and **16.4727, 19.5034, 5.8021** is the 20% darker color. If you saturate the color by 10%, you get **35.9565, 41.9334, 14.0036**, and if you desaturate by 10%, it is **37.7612, 42.7971, 23.0700**.

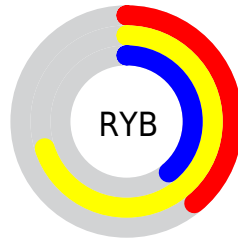
Distribution



Red (70%)

Green (70%)

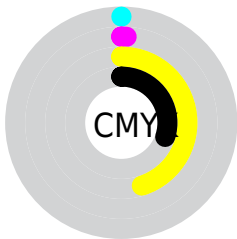
Blue (39%)



Red (39%)

Yellow (70%)

Blue (39%)

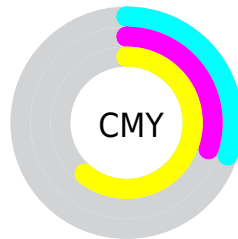


Cyan (0%)

Magenta (1%)

Yellow (45%)

Black (30%)



Cyan (30%)

Magenta (30%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7629, 42.3253, 18.0364 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 36.7629, 42.3253, 18.0364 by changing the saturation by 10% instead.

■ 36.7629, 42.3253,
18.0364

■ 36.7629, 42.3253,
18.0364

323.6563,
355.8297, 253.3191

■ 25.1968, 29.3561,
10.8064

■ 69.5242, 78.6917,
40.9141

■ 16.3533, 19.3504,
5.8243

■ 91.4501, 102.8577,
57.3989

■ 9.8669, 11.9237,
2.6715

■ 117.5599,
131.5248, 77.8058

■ 5.3724, 6.6918,
0.9290

■ 148.2191,
165.0773, 102.5531

■ 2.5044, 3.2701,
0.0000

183.7930,
203.8996, 132.0596

■ 0.8975, 1.2743,
0.0000

224.6469,

■ 0.0000, 0.1212,

248.3762, 166.7438

0.0000

271.1462,
298.8914, 207.0241

■ 0.0000, 0.0000,
0.0000

■ 36.7629, 42.3253,
18.0364

■ 36.7629, 42.3253,
18.0364

■ 35.9565, 41.9334,
14.0036

■ 37.7612, 42.7971,
23.0700

■ 35.3261, 41.6106,
10.9021

■ 38.9597, 43.3476,
29.1623

■ 34.8586, 41.3530,
8.6579


■ 40.3701, 43.9829,
36.3700


■ 34.5376, 41.1541,
7.1847


■ 42.0023, 44.7071,
44.7452


■ 34.3431, 41.0059,
6.3777

■ 43.8655, 45.5237,
54.3363

 34.2677, 40.9384,
6.0958

 45.9683, 46.4364,
65.1894

 48.3192, 47.4484,
77.3478

 50.9258, 48.5628,
90.8532

 52.9633, 49.4497,
101.3610

Harmonies

Analogous

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



43.7144, 42.3253, 17.9621



36.7629, 42.3253, 18.0364



31.3945, 42.3253, 23.9896

Triad

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



36.7629, 42.3253, 18.0364



31.5071, 42.3253, 79.3010



54.6940, 42.3253, 56.4894

Complementary

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



36.7629, 42.3253, 18.0364



17.8394, 15.0213, 44.6069

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.



50.5823, 42.3253, 78.7565



36.7629, 42.3253, 18.0364



36.9339, 42.3253, 94.2964

Square

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



36.7629, 42.3253, 18.0364



28.6083, 42.3253, 57.0861



43.9062, 42.3253, 94.0724



54.6344, 42.3253, 36.5968

Rectangle

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



36.7629, 42.3253, 18.0364



29.2000, 42.3253, 31.8416



43.9062, 42.3253, 94.0724



53.7347, 42.3253, 64.0459

Sweetspot

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



36.7639, 42.3272, 18.0373



72.7070, 78.9532, 67.2122



25.3690, 19.4344, 14.5561



15.9754, 17.4327, 14.2103



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.



36.7639, 42.3272, 18.0373



64.3690, 75.0878, 24.9399



29.2439, 38.7455, 17.7423



9.1878, 9.8882, 9.0769



24.2191, 28.9367, 4.3089



0.7649, 0.9162, 0.1365

Inverse Universe

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



17.8394, 15.0213, 44.6069



25.9996, 19.7278, 78.8187



23.0251, 17.5538, 44.8224



8.0502, 8.2465, 10.6738



5.7704, 2.3412, 30.2848



0.1844, 0.0793, 0.9538

Previews

White Background



This preview shows how the XYZ color 36.7629, 42.3253, 18.0364 looks on a white background.

Color Contrast Check

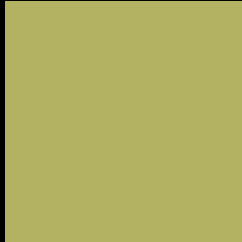
Large Text (above 18pt) WCAG AA × Fail

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 36.7629, 42.3253, 18.0364 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 36.7629, 42.3253, 18.0364

Background



This preview shows how black text looks on a background with the XYZ color 36.7629, 42.3253, 18.0364.



This preview shows how white text looks on a background with the XYZ color 36.7629, 42.3253,

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

36.7629, 42.3253, 18.0364

Protanopia

38.8265, 42.2303, 17.6602

Deuteranopia

42.8985, 42.0806, 18.4318



Tritanopia

43.1852, 42.0740, 50.1010

Trichromacy



Original Color

36.7629, 42.3253, 18.0364

Protanomaly

38.0281, 42.1066, 17.6784

Deuteranomaly

40.2769, 41.8312, 18.2633

Tritanomaly

40.4276, 42.0863, 35.6985

Monochromacy



Original Color

36.7629, 42.3253, 18.0364

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.0201, 40.4029, 32.2329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7629, 42.3253, 18.0364 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, 178, 99)` looks like.

```
.text, #text, p{  
    color:rgb(179, 178, 99)  
}
```

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, 178, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 178, 99) }
```

Border

The CSS property to change the border of an element to XYZ 36.7629, 42.3253, 18.0364 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, 178, 99) }
```


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

```
.border{ border-color:rgb(179, 178, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 178, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 178, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 178, 99);  
box-shadow:4px 4px 4px 4px rgb(179, 178,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7629, 42.3253, 18.0364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 178, 99) }
```

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

```
.background{ background-color: rgb(179,  
178, 99) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor