

Converting Colors

XYZ(37.6210, 42.4922, 18.5752)

Have a look what the booklet for
XYZ(37.6210, 42.4922, 18.5752)
contains.

XYZ(37.5995, 42.4511, 18.5241)	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(37.5995, 42.4511,
18.5241)**

Conversions

Conversions Part 1

Format	Color
Hex	B7B165
RGB	183, 177, 101
RGB Percent	72%, 69%, 40%
CMY	0.2824, 0.3059, 0.6039
CMYK	0.00, 0.03, 0.45, 0.28
HSL	56°, 36%, 56%
HSV	56°, 45%, 72%
XYZ	37.5995, 42.4511, 18.5241
YIQ	170.1300, 27.9720, -22.3640

Conversions

Conversions Part 2

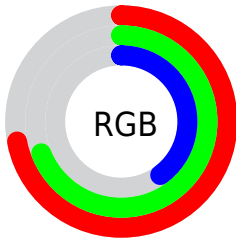
Format	Color
RYB	107, 183, 101
Decimal	12038501
CIELab	71.18, -8.74, 39.49
CIELCh	71, 40.445, 102.473
Yxy	42.4511, 0.3814, 0.4306
Android (android.graphics.Color)	4290228581 (0xFFB7B165)
YUV	170.1300, -34.0811, 11.2870
Hunter-Lab	65.1545, -11.0112, 28.7514

Details

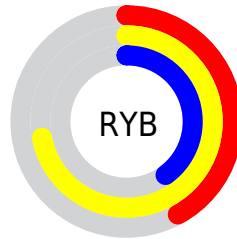
The XYZ color **37.5995, 42.4511, 18.5241** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.1717, 16.7005, 47.0127**, and the grayscale version is **38.4291, 40.4304, 44.0287**.

A 20% lighter version of the original color is **70.8239, 79.1030, 41.6726**, and **16.8555, 19.5044, 6.1251** is the 20% darker color. If you saturate the color by 10%, you get **36.5383, 41.6074, 14.2287**, and if you desaturate by 10%, it is **38.8650, 43.3838, 23.8736**.

Distribution



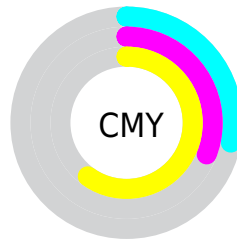
- Red (72%)
- Green (69%)
- Blue (40%)



- Red (42%)
- Yellow (72%)
- Blue (40%)



- Cyan (0%)
- Magenta (3%)
- Yellow (45%)
- Black (28%)



- Cyan (28%)
- Magenta (31%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5995, 42.4511, 18.5241 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 37.5995, 42.4511, 18.5241 by changing the saturation by 10% instead.

37.5995, 42.4511,
18.5241

37.5995, 42.4511,
18.5241

327.2094,
356.3495, 256.1434

25.8478, 29.4547,
11.1536

70.8017, 78.8819,
41.7543

16.8419, 19.4250,
6.0548

92.9830, 103.0850,
58.4511

10.2164, 11.9778,
2.8091

119.3714,
131.7926, 79.0937

5.6061, 6.7286,
0.9980

150.3324,
165.3889, 104.1007

2.6454, 3.2929,
0.0000

186.2314,
204.2583, 133.8906

0.9692, 1.2865,
0.0000

227.4337,

0.0000, 0.1307,

248.7853, 168.8820

0.0000

274.3045,
299.3542, 209.4934

■ 0.0000, 0.0000,
0.0000

■ 37.5995, 42.4511,
18.5241

■ 37.5995, 42.4511,
18.5241

■ 36.5383, 41.6074,
14.2287

■ 38.8650, 43.3838,
23.8736

■ 35.6650, 40.8414,
10.9141

■ 40.3439, 44.4044,
30.3386

■ 34.9654, 40.1490,
8.5020

■ 42.0485, 45.5195,
37.9790

■ 34.4222, 39.5233,
6.9008

■ 43.9891, 46.7332,
46.8497

■ 34.0143, 38.9558,
5.9993

■ 46.1756, 48.0495,
57.0021

■ 33.8320, 38.6746,
5.6818

■ 48.6172, 49.4719,
68.4846

■ 51.3225, 51.0041,
81.3432

■ 54.2999, 52.6494,
95.6217

■ 55.7859, 53.7023,
102.0331

Harmonies

Analogous

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



44.4005, 42.4511, 18.9908



37.5995, 42.4511, 18.5241



32.1751, 42.4511, 23.8019

Triad

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



37.5995, 42.4511, 18.5241



31.4817, 42.4511, 76.2717



54.0906, 42.4511, 58.3935

Complementary

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



37.5995, 42.4511, 18.5241



19.1717, 16.7005, 47.0127

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.



49.8006, 42.4511, 79.5662



37.5995, 42.4511, 18.5241



36.5509, 42.4511, 91.7117

Square

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



37.5995, 42.4511, 18.5241



28.9178, 42.4511, 54.7583



43.2283, 42.4511, 93.0627



54.4528, 42.4511, 38.6225

Rectangle

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



37.5995, 42.4511, 18.5241



29.8628, 42.4511, 31.0335



43.2283, 42.4511, 93.0627



53.0397, 42.4511, 65.6994

Sweetspot

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



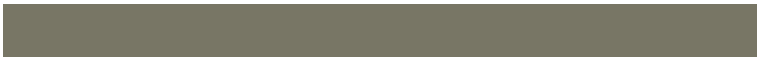
37.6005, 42.4531, 18.5250



75.8333, 81.8593, 70.4005



26.8803, 20.4542, 16.6728



16.5893, 17.9782, 14.8241



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



37.6005, 42.4531, 18.5250



65.4252, 74.5063, 25.4260



31.6467, 41.1805, 18.5931



9.6925, 10.3879, 9.6011



23.6236, 27.0235, 3.9710



0.8496, 0.9863, 0.1456

Inverse Universe

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



19.1717, 16.7005, 47.0127



28.1574, 22.4436, 83.0837



23.2198, 17.8915, 47.0292



8.5725, 8.8221, 11.3305



6.0867, 2.6331, 31.4405



0.2325, 0.1286, 1.1143

Previews

White Background



This preview shows how the XYZ color 37.5995, 42.4511, 18.5241 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 37.5995, 42.4511, 18.5241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

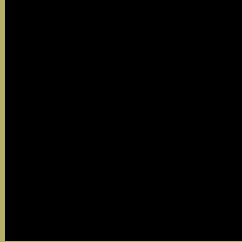
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5995, 42.4511, 18.5241

Background



This preview shows how black text looks on a background with the XYZ color 37.5995, 42.4511, 18.5241.



This preview shows how white text looks on a background with the XYZ color 37.5995, 42.4511,

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

37.5995, 42.4511, 18.5241

Protanopia

38.9222, 42.2686, 18.1638

Deuteranopia

43.2358, 42.2488, 18.7080



Tritanopia

44.0813, 42.5479, 49.6053

Trichromacy



Original Color

37.5995, 42.4511, 18.5241

Protanomaly

38.3693, 42.2714, 18.1935

Deuteranomaly

40.8604, 42.1263, 18.5480

Tritanomaly

41.2167, 42.2116, 35.6811

Monochromacy



Original Color

37.5995, 42.4511, 18.5241

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.7336, 41.0454, 32.7219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5995, 42.4511, 18.5241 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(183, 177, 101)` looks like.

```
.text, #text, p{  
    color:rgb(183, 177, 101)  
}
```

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(183, 177, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 177, 101) }
```

Border

The CSS property to change the border of an element to XYZ 37.5995, 42.4511, 18.5241 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(183, 177, 101) }
```


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

```
.border{ border-color:rgb(183, 177, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 177, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 177, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 177, 101);  
box-shadow:4px 4px 4px 4px rgb(183, 177,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5995, 42.4511, 18.5241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 177, 101) }
```

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

```
.background{ background-color: rgb(183,  
177, 101) }
```

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