

Converting Colors

XYZ(37.5205, 42.9059, 19.3691)

Have a look what the booklet for
XYZ(37.5205, 42.9059, 19.3691)
contains.

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Color

**XYZ(37.6748, 43.0634,
19.4231)**

Conversions

Conversions Part 1

Format	Color
Hex	B5B368
RGB	181, 179, 104
RGB Percent	71%, 70%, 41%
CMY	0.2902, 0.2980, 0.5921
CMYK	0.00, 0.01, 0.43, 0.29
HSL	58°, 34%, 56%
HSV	58°, 43%, 71%
XYZ	37.6748, 43.0634, 19.4231
YIQ	171.0480, 25.2670, -22.9010

Conversions

Conversions Part 2

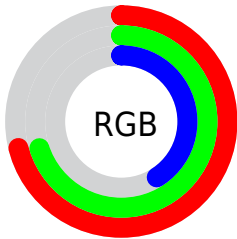
Format	Color
R_{YB}	106, 181, 104
Decimal	11907944
CIE _{Lab}	71.60, -10.29, 38.45
CIE _{LCh}	72, 39.798, 104.983
Yxy	43.0634, 0.3761, 0.4299
Android (android.graphics.Color)	4290098024 (0xFFB5B368)
YUV	171.0480, -33.0547, 8.7279
Hunter-Lab	65.6227, -12.3607, 28.3872

Details

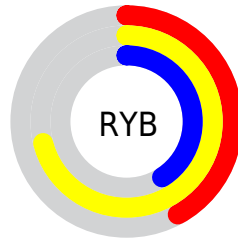
The XYZ color **37.6748, 43.0634, 19.4231** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.2034, 16.5868, 45.9054**, and the grayscale version is **38.8857, 40.9107, 44.5518**.

A 20% lighter version of the original color is **70.9690, 79.9941, 43.1524**, and **16.9028, 19.7096, 6.5279** is the 20% darker color. If you saturate the color by 10%, you get **36.7590, 42.5485, 15.0587**, and if you desaturate by 10%, it is **38.7904, 43.6618, 24.8287**.

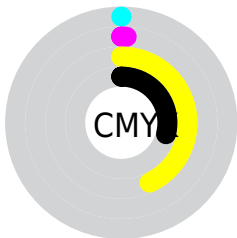
Distribution



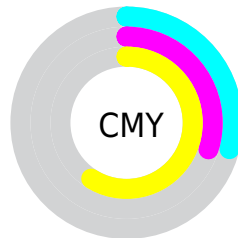
- Red (71%)
- Green (70%)
- Blue (41%)



- Red (42%)
- Yellow (71%)
- Blue (41%)



- Cyan (0%)
- Magenta (1%)
- Yellow (43%)
- Black (29%)



- Cyan (29%)
- Magenta (30%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6748, 43.0634, 19.4231 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 37.6748, 43.0634, 19.4231 by changing the saturation by 10% instead.

■ 37.6748, 43.0634,
19.4231

■ 37.6748, 43.0634,
19.4231

327.5279,
358.8724, 261.2748

■ 25.9065, 29.9349,
11.7965

■ 70.9165, 79.8065,
43.2940

■ 16.8860, 19.7892,
6.4844

■ 93.1206, 104.1899,
60.3754

■ 10.2480, 12.2419,
3.0683

■ 119.5340,
133.0937, 81.4454

■ 5.6272, 6.9086,
1.1296

■ 150.5221,
166.9023, 106.9227

■ 2.6583, 3.4050,
0.0000

186.4501,
206.0000, 137.2258

■ 0.9757, 1.3467,
0.0000

227.6836,

■ 0.0000, 0.1769,

250.7714, 172.7731

0.0000

274.5877,
301.6007, 213.9832

■ 0.0000, 0.0000,
0.0000

■ 37.6748, 43.0634,
19.4231

■ 37.6748, 43.0634,
19.4231

■ 36.7590, 42.5485,
15.0587

■ 38.7904, 43.6618,
24.8287

■ 36.0271, 42.1061,
11.6657

■ 40.1142, 44.3425,
31.3339

■ 35.4658, 41.7325,
9.1700


■ 41.6581, 45.1117,
38.9961


■ 35.0590, 41.4211,
7.4856


■ 43.4319, 45.9735,
47.8678


■ 34.7870, 41.1642,
6.5100

■ 45.4451, 46.9314,
57.9985

 34.6422, 40.9962,
6.0872

 47.7066, 47.9892,
69.4347

 50.2246, 49.1502,
82.2206

 53.0073, 50.4175,
96.3984

 54.0860, 51.0037,
101.6018

Harmonies

Analogous

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



44.3765, 43.0634, 19.4264



37.6748, 43.0634, 19.4231



32.4461, 43.0634, 25.2535

Triad

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



37.6748, 43.0634, 19.4231



32.4413, 43.0634, 78.2750



54.7470, 43.0634, 57.1640

Complementary

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



37.6748, 43.0634, 19.4231



19.2034, 16.5868, 45.9054

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.



50.7782, 43.0634, 78.2975



37.6748, 43.0634, 19.4231



37.6676, 43.0634, 92.5747

Square

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



37.6748, 43.0634, 19.4231



29.6575, 43.0634, 57.1391



44.3685, 43.0634, 92.5839



54.7495, 43.0634, 37.9440

Rectangle

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



37.6748, 43.0634, 19.4231



30.2866, 43.0634, 32.8952



44.3685, 43.0634, 92.5839



53.8148, 43.0634, 64.3759

Sweetspot

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



37.6759, 43.0654, 19.4240



74.4091, 80.6961, 68.8450



26.6377, 20.7773, 16.3977



15.9459, 17.3739, 14.2005



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.



37.6759, 43.0654, 19.4240



65.9370, 76.2631, 27.4508



30.7116, 40.0730, 19.2135



9.1778, 9.8681, 9.0735



23.8900, 28.2786, 4.1992



0.7575, 0.9015, 0.1341

Inverse Universe

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



19.2034, 16.5868, 45.9054



28.4866, 22.5863, 81.1528



24.0952, 18.8070, 46.0761



8.0590, 8.2642, 10.6767



5.7928, 2.3860, 30.2922



0.1881, 0.0867, 0.9551

Previews

White Background



This preview shows how the XYZ color 37.6748, 43.0634, 19.4231 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 37.6748, 43.0634, 19.4231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

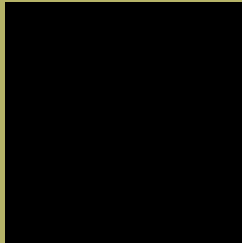
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6748, 43.0634, 19.4231

Background



This preview shows how black text looks on a background with the XYZ color 37.6748, 43.0634, 19.4231.



This preview shows how white text looks on a background with the XYZ color 37.6748, 43.0634,

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

37.6748, 43.0634, 19.4231

Protanopia

39.5164, 42.8457, 19.0193

Deuteranopia

43.6239, 42.6960, 19.8518



Tritanopia

44.1572, 43.1155, 50.7945

Trichromacy



Original Color

37.6748, 43.0634, 19.4231

Protanomaly

38.7126, 42.7213, 19.0376

Deuteranomaly

41.2518, 42.5839, 19.6810

Tritanomaly

41.2698, 42.7850, 36.6550

Monochromacy



Original Color

37.6748, 43.0634, 19.4231

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.0817, 41.4926, 33.6055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6748, 43.0634, 19.4231 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(181, 179, 104)` looks like.

```
.text, #text, p{  
    color:rgb(181, 179, 104)  
}
```

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(181, 179, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 179, 104) }
```

Border

The CSS property to change the border of an element to XYZ 37.6748, 43.0634, 19.4231 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(181, 179, 104) }
```


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

```
.border{ border-color:rgb(181, 179, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 179, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 179, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 179, 104);  
box-shadow:4px 4px 4px 4px rgb(181, 179,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6748, 43.0634, 19.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 179, 104) }
```

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

```
.background{ background-color: rgb(181,  
179, 104) }
```

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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