

Converting Colors

XYZ(37.6105, 43.9331, 19.5951)

Have a look what the booklet for
XYZ(37.6105, 43.9331, 19.5951)
contains.

XYZ(37.5867, 43.9204, 19.5931)	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(37.5867, 43.9204,
19.5931)**

Conversions

Conversions Part 1

Format	Color
Hex	B2B668
RGB	178, 182, 104
RGB Percent	70%, 71%, 41%
CMY	0.3020, 0.2863, 0.5921
CMYK	0.02, 0.00, 0.43, 0.29
HSL	63°, 35%, 56%
HSV	63°, 43%, 71%
XYZ	37.5867, 43.9204, 19.5931
YIQ	171.9120, 22.6540, -25.1060

Conversions

Conversions Part 2

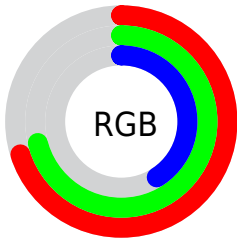
Format	Color
RYB	104, 182, 108
Decimal	11712104
CIELab	72.18, -13.06, 39.11
CIELCh	72, 41.237, 108.469
Yxy	43.9204, 0.3718, 0.4344
Android (android.graphics.Color)	4289902184 (0xFFB2B668)
YUV	171.9120, -33.4806, 5.3392
Hunter-Lab	66.2725, -14.7398, 28.8620

Details

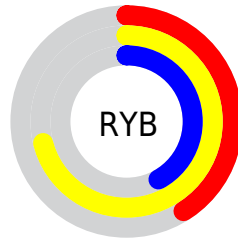
The XYZ color **37.5867, 43.9204, 19.5931** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.5798, 16.4672, 46.4052**, and the grayscale version is **39.3251, 41.3731, 45.0553**.

A 20% lighter version of the original color is **70.8362, 81.2115, 43.3944**, and **16.8283, 20.2519, 6.5121** is the 20% darker color. If you saturate the color by 10%, you get **36.5470, 43.4814, 15.2287**, and if you desaturate by 10%, it is **38.8296, 44.4440, 25.0102**.

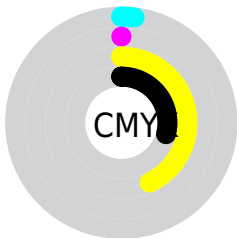
Distribution



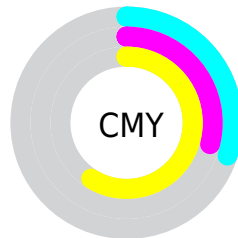
- Red (70%)
- Green (71%)
- Blue (41%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (43%)
- Black (29%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5867, 43.9204, 19.5931 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 37.5867, 43.9204, 19.5931 by changing the saturation by 10% instead.

■ 37.5867, 43.9204,
19.5931

■ 37.5867, 43.9204,
19.5931

327.1553,
362.3834, 262.2347

■ 25.8378, 30.6079,
11.9185

■ 70.7822, 81.0980,
43.5839

■ 16.8344, 20.3005,
6.5663

■ 92.9595, 105.7318,
60.7371

■ 10.2111, 12.6137,
3.1181

■ 119.3438,
134.9083, 81.8870

■ 5.6025, 7.1631,
1.1552

■ 150.3002,
169.0118, 107.4521

■ 2.6432, 3.5643,
0.0000

186.1942,
208.4266, 137.8508

■ 0.9680, 1.4329,
0.0000

227.3912,

■ 0.0000, 0.2408,

253.5372, 173.5018

0.0000

274.2564,
304.7280, 214.8236

■ 0.0000, 0.0000,
0.0000

■ 37.5867, 43.9204,
19.5931

■ 37.5867, 43.9204,
19.5931

■ 36.5470, 43.4814,
15.2287

■ 38.8296, 44.4440,
25.0102

■ 35.6942, 43.1158,
11.8461

■ 40.2842, 45.0509,
31.5395

■ 35.0150, 42.8197,
9.3698


■ 41.9626, 45.7474,
39.2392


■ 34.4928, 42.5866,
7.7123


■ 43.8748, 46.5377,
48.1628


■ 34.1075, 42.4085,
6.7688


■ 46.0304, 47.4254,
58.3604

 33.8873, 42.3034,
6.3793

 48.4384, 48.4144,
69.8792

 51.1073, 49.5078,
82.7642

 54.0452, 50.7090,
97.0582

 55.1286, 51.1686,
101.5787

Harmonies

Analogous

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



44.5206, 43.9204, 18.9284



37.5867, 43.9204, 19.5931



32.3769, 43.9204, 26.3824

Triad

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



37.5867, 43.9204, 19.5931



33.3684, 43.9204, 83.2694



56.5243, 43.9204, 56.0302

Complementary

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



37.5867, 43.9204, 19.5931



19.5798, 16.4672, 46.4052

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.



52.7655, 43.9204, 78.5419



37.5867, 43.9204, 19.5931



39.0873, 43.9204, 96.9831

Square

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



37.5867, 43.9204, 19.5931



30.1377, 43.9204, 61.2395



46.1993, 43.9204, 95.0433



56.0050, 43.9204, 36.5228

Rectangle

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



37.5867, 43.9204, 19.5931



30.3380, 43.9204, 34.9145



46.1993, 43.9204, 95.0433



55.7035, 43.9204, 63.5727

Sweetspot

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



37.5878, 43.9224, 19.5940



75.9556, 82.8859, 70.5922



27.1436, 21.6497, 15.8454



16.6207, 18.2425, 14.8735



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.



37.5878, 43.9224, 19.5940



66.4273, 78.8998, 28.3132



29.8925, 39.9553, 19.2339



9.7034, 10.4792, 9.6182



23.9469, 29.8814, 4.5055



0.8582, 1.0606, 0.1595

Inverse Universe

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



19.5798, 16.4672, 46.4052



29.6617, 22.8288, 83.0788



25.4099, 19.4728, 46.6781



8.5626, 8.7409, 11.3153



6.0627, 2.4366, 31.4038



0.2282, 0.0934, 1.1077

Previews

White Background



This preview shows how the XYZ color 37.5867, 43.9204, 19.5931 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 37.5867, 43.9204, 19.5931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

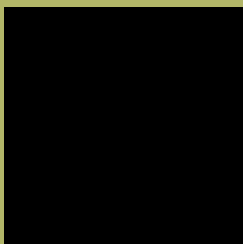
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

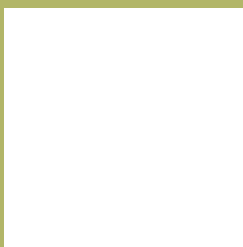
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5867, 43.9204, 19.5931

Background



This preview shows how black text looks on a background with the XYZ color 37.5867, 43.9204, 19.5931.



This preview shows how white text looks on a background with the XYZ color 37.5867, 43.9204,

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

37.5867, 43.9204, 19.5931

Protanopia

40.3685, 43.8729, 18.9110

Deuteranopia

44.5734, 43.7336, 20.0021



Tritanopia

44.1090, 43.6150, 52.5481

Trichromacy



Original Color

37.5867, 43.9204, 19.5931

Protanomaly

39.3073, 43.9108, 19.2359

Deuteranomaly

41.8250, 43.7302, 19.8720

Tritanomaly

41.2932, 43.6413, 37.6997

Monochromacy



Original Color

37.5867, 43.9204, 19.5931

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.2474, 42.1559, 33.7248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5867, 43.9204, 19.5931 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(178, 182, 104)` looks like.

```
.text, #text, p{  
    color:rgb(178, 182, 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(178, 182, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 182, 104) }
```

Border

The CSS property to change the border of an element to XYZ 37.5867, 43.9204, 19.5931 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(178, 182, 104) }
```


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

```
.border{ border-color:rgb(178, 182, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 182, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 182, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 182, 104);  
box-shadow:4px 4px 4px 4px rgb(178, 182,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5867, 43.9204, 19.5931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 182, 104) }
```

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

```
.background{ background-color: rgb(178,  
182, 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](#).

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