

Converting Colors

XYZ(37.4004, 44.1975, 19.2365)

Have a look what the booklet for
XYZ(37.4004, 44.1975, 19.2365)
contains.

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Color

**XYZ(37.2363, 44.0564,
19.1115)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B766
RGB	176, 183, 102
RGB Percent	69%, 72%, 40%
CMY	0.3098, 0.2823, 0.6000
CMYK	0.04, 0.00, 0.44, 0.28
HSL	65°, 36%, 56%
HSV	65°, 44%, 72%
XYZ	37.2363, 44.0564, 19.1115
YIQ	171.6730, 21.8290, -26.6750

Conversions

Conversions Part 2

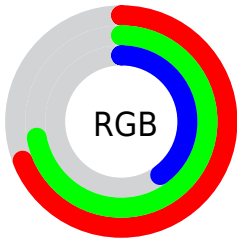
Format	Color
RYB	102, 183, 109
Decimal	11581286
CIELab	72.27, -14.60, 40.20
CIELCh	72, 42.772, 109.958
Yxy	44.0564, 0.3709, 0.4388
Android (android.graphics.Color)	4289771366 (0xFFB0B766)
YUV	171.6730, -34.3488, 3.7948
Hunter-Lab	66.3750, -16.0179, 29.3910

Details

The XYZ color **37.2363, 44.0564, 19.1115** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.6068, 16.1739, 46.8908**, and the grayscale version is **39.2087, 41.2506, 44.9219**.

A 20% lighter version of the original color is **70.3035, 81.3897, 42.5762**, and **16.6285, 20.3508, 6.3005** is the 20% darker color. If you saturate the color by 10%, you get **36.0718, 43.5511, 14.8314**, and if you desaturate by 10%, it is **38.6075, 44.6480, 24.4488**.

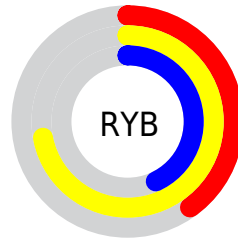
Distribution



Red (69%)

Green (72%)

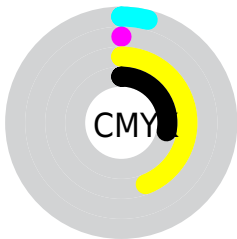
Blue (40%)



Red (40%)

Yellow (72%)

Blue (43%)

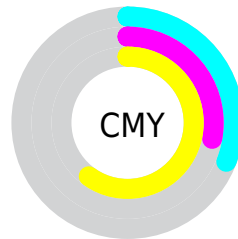


Cyan (4%)

Magenta (0%)

Yellow (44%)

Black (28%)



Cyan (31%)

Magenta (28%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2363, 44.0564, 19.1115 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 37.2363, 44.0564, 19.1115 by changing the saturation by 10% instead.

■ 37.2363, 44.0564,
19.1115

■ 37.2363, 44.0564,
19.1115

325.6702,
362.9384, 259.5068

■ 25.5650, 30.7149,
11.5732

■ 70.2475, 81.3026,
42.7616

■ 16.6295, 20.3818,
6.3348

■ 92.3182, 105.9760,
59.7106

■ 10.0643, 12.6729,
2.9777

■ 118.5860,
135.1956, 80.6335

■ 5.5042, 7.2037,
1.0832

■ 149.4164,
169.3456, 105.9490

■ 2.5838, 3.5898,
0.0000

185.1747,
208.8105, 136.0755

■ 0.9377, 1.4469,
0.0000

226.2261,

■ 0.0000, 0.2509,

253.9747, 171.4316

0.0000

272.9362,
305.2225, 212.4359

■ 0.0000, 0.0000,
0.0000

■ 37.2363, 44.0564,
19.1115

■ 37.2363, 44.0564,
19.1115

■ 36.0718, 43.5511,
14.8314

■ 38.6075, 44.6480,
24.4488

■ 35.0974, 43.1207,
11.5355

■ 40.1943, 45.3248,
30.9044

■ 34.2993, 42.7613,
9.1460

■ 42.0090, 46.0932,
38.5379

■ 33.6601, 42.4660,
7.5722

■ 44.0619, 46.9574,
47.4039

■ 33.1591, 42.2264,
6.7045

■ 46.3627, 47.9213,
57.5538

■ 32.9088, 42.1040,
6.3924

■ 48.9208, 48.9885,
69.0358

■ 51.7447, 50.1626,
81.8957

■ 54.8428, 51.4469,
96.1772

■ 56.2803, 52.0673,
101.6914

Harmonies

Analogous

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



44.3854, 44.0564, 18.1484



37.2363, 44.0564, 19.1115



31.9661, 44.0564, 26.3704

Triad

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



37.2363, 44.0564, 19.1115



33.4298, 44.0564, 86.0753



57.3769, 44.0564, 55.3736

Complementary

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



37.2363, 44.0564, 19.1115



19.6068, 16.1739, 46.8908

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.



53.6436, 44.0564, 78.9794



37.2363, 44.0564, 19.1115



39.4598, 44.0564, 99.8355

Square

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



37.2363, 44.0564, 19.1115



29.9531, 44.0564, 63.1426



46.8822, 44.0564, 96.9147



56.6009, 44.0564, 35.4462

Rectangle

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



37.2363, 44.0564, 19.1115



29.9587, 44.0564, 35.4010



46.8822, 44.0564, 96.9147



56.5923, 44.0564, 63.2090

Sweetspot

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



37.2374, 44.0584, 19.1124



75.5980, 82.7016, 70.5754



27.3702, 21.9117, 15.3577



16.5287, 18.1951, 14.8692



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.



37.2374, 44.0584, 19.1124



64.6746, 78.0274, 26.8243



29.4461, 40.0419, 18.7478



9.6715, 10.4628, 9.6167



22.9854, 29.3857, 4.4606



0.8329, 1.0476, 0.1583

Inverse Universe

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



19.6068, 16.1739, 46.8908



29.1156, 21.7545, 82.9002



25.7401, 19.3357, 47.1778



8.5912, 8.7556, 11.3166



6.1354, 2.4741, 31.4073



0.2406, 0.0997, 1.1083

Previews

White Background



This preview shows how the XYZ color 37.2363, 44.0564, 19.1115 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 37.2363, 44.0564, 19.1115 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 37.2363, 44.0564, 19.1115

Background



This preview shows how black text looks on a background with the XYZ color 37.2363, 44.0564, 19.1115.



This preview shows how white text looks on a background with the XYZ color 37.2363, 44.0564,

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

37.2363, 44.0564, 19.1115

Protanopia

40.2705, 43.8337, 18.3949

Deuteranopia

44.7621, 43.8429, 19.4679



Tritanopia

44.1629, 43.9141, 53.1623

Trichromacy



Original Color

37.2363, 44.0564, 19.1115

Protanomaly

38.9626, 43.7446, 18.7019

Deuteranomaly

41.7221, 43.6891, 19.3305

Tritanomaly

41.0143, 43.7897, 37.7431

Monochromacy



Original Color

37.2363, 44.0564, 19.1115

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.0254, 42.0415, 33.7144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2363, 44.0564, 19.1115 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(176, 183, 102)` looks like.

```
.text, #text, p{  
    color:rgb(176, 183, 102)  
}
```

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(176, 183, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 183, 102) }
```

Border

The CSS property to change the border of an element to XYZ 37.2363, 44.0564, 19.1115 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(176, 183, 102) }
```


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

```
.border{ border-color:rgb(176, 183, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 183, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 183, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 183, 102);  
box-shadow:4px 4px 4px 4px rgb(176, 183,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2363, 44.0564, 19.1115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 183, 102) }
```

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

```
.background{ background-color: rgb(176,  
183, 102) }
```

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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