

Converting Colors

XYZ(37.7707, 46.1146, 23.7399)

Have a look what the booklet for
XYZ(37.7707, 46.1146, 23.7399)
contains.

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Color

**XYZ(37.7707, 46.1146,
23.7399)**

Conversions

Conversions Part 1

Format	Color
Hex	A9BD75
RGB	169, 189, 117
RGB Percent	66%, 74%, 46%
CMY	0.3373, 0.2588, 0.5412
CMYK	0.11, 0.00, 0.38, 0.26
HSL	77°, 35%, 60%
HSV	77°, 38%, 74%
XYZ	37.7707, 46.1146, 23.7399
YIQ	174.8120, 11.1920, -26.6320

Conversions

Conversions Part 2

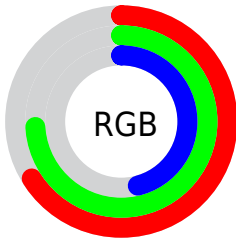
Format	Color
RYB	117, 189, 137
Decimal	11124085
CIELab	73.62, -18.69, 34.14
CIELCh	74, 38.924, 118.700
Yxy	46.1146, 0.3509, 0.4285
Android (android.graphics.Color)	4289314165 (0xFFA9BD75)
YUV	174.8120, -28.5013, -5.0971
Hunter-Lab	67.9077, -19.5557, 26.8082

Details

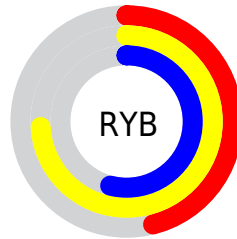
The XYZ color **37.7707, 46.1146, 23.7399** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.8649, 21.7163, 50.9752**, and the grayscale version is **40.7900, 42.9143, 46.7336**.

A 20% lighter version of the original color is **70.9594, 84.2146, 50.5453**, and **17.0197, 21.7266, 8.6068** is the 20% darker color. If you saturate the color by 10%, you get **35.6661, 45.1468, 18.4149**, and if you desaturate by 10%, it is **40.1472, 47.1996, 30.2507**.

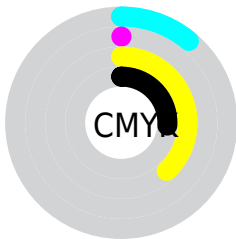
Distribution



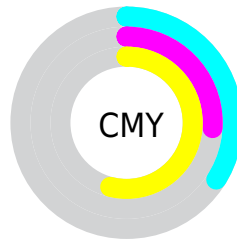
- Red (66%)
- Green (74%)
- Blue (46%)



- Red (46%)
- Yellow (74%)
- Blue (54%)



- Cyan (11%)
- Magenta (0%)
- Yellow (38%)
- Black (26%)



- Cyan (34%)
- Magenta (26%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7707, 46.1146, 23.7399 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 37.7707, 46.1146, 23.7399 by changing the saturation by 10% instead.

■ 37.7707, 46.1146,
23.7399

■ 37.7707, 46.1146,
23.7399

327.9332,
371.2692, 284.7469

■ 25.9812, 32.3363,
14.9304

■ 71.0627, 84.3905,
50.5439

■ 16.9422, 21.6185,
8.6245

■ 93.2959, 109.6568,
69.3755

■ 10.2883, 13.5768,
4.4036

■ 119.7410,
139.5213, 92.3848

■ 5.6543, 7.8269,
1.8493

150.7635,
174.3682, 119.9905

■ 2.6747, 3.9844,
0.4602

186.7285,
214.5821, 152.6110

■ 0.9841, 1.6648,
0.0000

228.0016,

■ 0.0000, 0.4007,

260.5473, 190.6649

0.0000

274.9481,
312.6482, 234.5707

■ 0.0000, 0.0000,
0.0000

■ 37.7707, 46.1146,
23.7399

■ 37.7707, 46.1146,
23.7399

■ 35.6661, 45.1468,
18.4149

■ 40.1472, 47.1996,
30.2507

■ 33.8159, 44.2844,
14.2010

■ 42.8052, 48.4008,
38.0099

■ 32.2057, 43.5230,
11.0201


■ 45.7579, 49.7253,
47.0793


■ 30.8179, 42.8556,
8.7823


■ 49.0165, 51.1776,
57.5156


■ 29.6318, 42.2740,
7.3825


■ 52.5917, 52.7619,
69.3723

 28.6160, 41.7653,
6.6566

 56.4935, 54.4824,
82.7000

 28.4323, 41.6729,
6.5451

 60.7316, 56.3430,
97.5468

 63.1152, 57.4674,
102.3735

 64.6444, 58.2558,
102.4451

Harmonies

Analogous

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



44.1318, 46.1146, 21.0270



37.7707, 46.1146, 23.7399



33.4561, 46.1146, 32.9650

Triad

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



37.7707, 46.1146, 23.7399



37.3013, 46.1146, 90.1136



58.4558, 46.1146, 51.0766

Complementary

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



37.7707, 46.1146, 23.7399



25.8649, 21.7163, 50.9752

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.



56.1544, 46.1146, 72.6167



37.7707, 46.1146, 23.7399



43.5307, 46.1146, 98.5027

Square

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



37.7707, 46.1146, 23.7399



33.2057, 46.1146, 70.7268



50.5062, 46.1146, 91.3907



56.5097, 46.1146, 34.1040

Rectangle

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



37.7707, 46.1146, 23.7399



32.0794, 46.1146, 43.1368



50.5062, 46.1146, 91.3907



58.1493, 46.1146, 58.0191

Sweetspot

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



37.7718, 46.1166, 23.7409



80.2616, 88.2985, 79.0550



33.0312, 29.7693, 20.8354



17.1041, 18.9184, 16.5192



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



37.7718, 46.1166, 23.7409



64.3599, 81.0782, 34.1563



31.2097, 42.7337, 23.4338



10.0568, 10.9837, 10.1666



19.2062, 28.0770, 4.4071



0.8127, 1.1309, 0.1755

Inverse Universe

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



25.8649, 21.7163, 50.9752



39.9305, 30.9721, 90.0998



32.6054, 25.1912, 51.2907



9.2587, 9.3502, 11.9890



7.2156, 3.0059, 32.5928



0.3485, 0.1517, 1.2798

Previews

White Background



This preview shows how the XYZ color 37.7707, 46.1146, 23.7399 looks on a white background.

Color Contrast Check

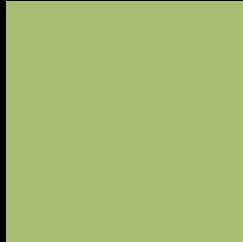
Large Text (above 18pt) WCAG AA × Fail

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 37.7707, 46.1146, 23.7399 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 37.7707, 46.1146, 23.7399

Background



This preview shows how black text looks on a background with the XYZ color 37.7707, 46.1146, 23.7399.



This preview shows how white text looks on a background with the XYZ color 37.7707, 46.1146,

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

37.7707, 46.1146, 23.7399

Protanopia

42.5871, 46.1330, 22.5796

Deuteranopia

46.7137, 45.8665, 24.4802



Tritanopia

44.6493, 46.1213, 57.5880

Trichromacy



Original Color

37.7707, 46.1146, 23.7399

Protanomaly

40.7285, 46.0836, 22.9681

Deuteranomaly

43.0635, 45.7384, 24.3280

Tritanomaly

41.4956, 45.7341, 42.7169

Monochromacy



Original Color

37.7707, 46.1146, 23.7399

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.3876, 43.8598, 36.9617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7707, 46.1146, 23.7399 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(169, 189, 117)` looks like.

```
.text, #text, p{  
    color:rgb(169, 189, 117)  
}
```

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(169, 189, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 189, 117) }
```

Border

The CSS property to change the border of an element to XYZ 37.7707, 46.1146, 23.7399 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(169, 189, 117) }
```


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

```
.border{ border-color:rgb(169, 189, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 189, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 189, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 189, 117); box-shadow:4px 4px 4px 4px rgb(169, 189, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7707, 46.1146, 23.7399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 189, 117) }
```

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

```
.background{ background-color: rgb(169,  
189, 117) }
```

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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