

Converting Colors

XYZ(37.8817, 47.5554, 19.8055)

Have a look what the booklet for
XYZ(37.8817, 47.5554, 19.8055)
contains.

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Color

**XYZ(37.8304, 47.5343,
19.7515)**

Conversions

Conversions Part 1

Format	Color
Hex	A9C166
RGB	169, 193, 102
RGB Percent	66%, 76%, 40%
CMY	0.3373, 0.2431, 0.6000
CMYK	0.12, 0.00, 0.47, 0.24
HSL	76°, 42%, 58%
HSV	76°, 47%, 76%
XYZ	37.8304, 47.5343, 19.7515
YIQ	175.4500, 14.9070, -33.3890

Conversions

Conversions Part 2

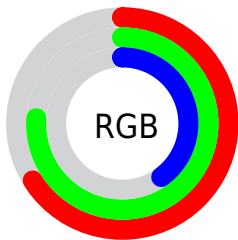
Format	Color
RYB	102, 193, 126
Decimal	11125094
CIELab	74.53, -22.42, 42.87
CIELCh	75, 48.380, 117.612
Yxy	47.5343, 0.3599, 0.4522
Android (android.graphics.Color)	4289315174 (0xFFA9C166)
YUV	175.4500, -36.2108, -5.6566
Hunter-Lab	68.9451, -22.7105, 31.2761

Details

The XYZ color **37.8304, 47.5343, 19.7515** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.9831, 17.7899, 52.6774**, and the grayscale version is **41.1585, 43.3020, 47.1558**.

A 20% lighter version of the original color is **71.1561, 86.2867, 43.9150**, and **16.9227, 22.3580, 6.6724** is the 20% darker color. If you saturate the color by 10%, you get **35.9119, 46.6448, 15.2340**, and if you desaturate by 10%, it is **40.0167, 48.5391, 25.4466**.

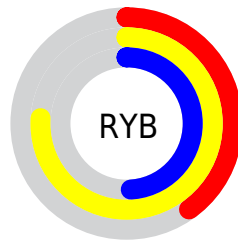
Distribution



Red (66%)

Green (76%)

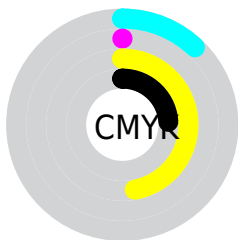
Blue (40%)



Red (40%)

Yellow (76%)

Blue (49%)

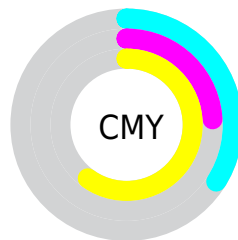


Cyan (12%)

Magenta (0%)

Yellow (47%)

Black (24%)



Cyan (34%)

Magenta (24%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8304, 47.5343, 19.7515 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 37.8304, 47.5343, 19.7515 by changing the saturation by 10% instead.

■ 37.8304, 47.5343,
19.7515

■ 37.8304, 47.5343,
19.7515

328.1853,
376.9432, 263.1262

■ 26.0277, 33.4582,
12.0323

■ 71.1537, 86.5106,
43.8536

■ 16.9772, 22.4777,
6.6428

■ 93.4050, 112.1797,
61.0736

■ 10.3134, 14.2083,
3.1647

■ 119.8699,
142.4818, 82.2976

■ 5.6711, 8.2657,
1.1793

■ 150.9137,
177.8015, 107.9441

■ 2.6849, 4.2654,
0.0000

186.9018,
218.5231, 138.4317

■ 0.9894, 1.8231,
0.0000

228.1995,

■ 0.0000, 0.5015,

265.0310, 174.1789

0.0000

275.1722,
317.7096, 215.6042

■ 0.0000, 0.0000,
0.0000

■ 37.8304, 47.5343,
19.7515

■ 37.8304, 47.5343,
19.7515

■ 35.9119, 46.6448,
15.2340

■ 40.0167, 48.5391,
25.4466

■ 34.2414, 45.8577,
11.8084

■ 42.4818, 49.6588,
32.3909

■ 32.8019, 45.1679,
9.3823


■ 45.2405, 50.9009,
40.6541


■ 31.5723, 44.5667,
7.8467

■ 48.3052, 52.2705,
50.2995


■ 30.5232, 44.0424,
7.0502


■ 51.6877, 53.7724,
61.3868

 30.2423, 43.9011,
6.8798

 55.3990, 55.4109,
73.9717

 59.4497, 57.1904,
88.1074

 63.6224, 59.0240,
102.6473

 65.0927, 59.7820,
102.7161

Harmonies

Analogous

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



45.8839, 47.5343, 17.0257



37.8304, 47.5343, 19.7515



32.4234, 47.5343, 30.0205

Triad

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



37.8304, 47.5343, 19.7515



36.7630, 47.5343, 103.9622



64.1356, 47.5343, 53.7884

Complementary

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



37.8304, 47.5343, 19.7515



22.9831, 17.7899, 52.6774

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.



60.9078, 47.5343, 82.0534



37.8304, 47.5343, 19.7515



44.4832, 47.5343, 116.2706

Square

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



37.8304, 47.5343, 19.7515



31.8652, 47.5343, 77.4203



53.4246, 47.5343, 107.1879



61.7665, 47.5343, 32.5020

Rectangle

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



37.8304, 47.5343, 19.7515



30.6740, 47.5343, 42.1031



53.4246, 47.5343, 107.1879



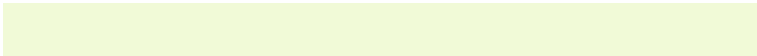
63.6610, 47.5343, 62.7837

Sweetspot

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



37.8316, 47.5364, 19.7525



82.5727, 91.8539, 77.6096



31.6943, 26.9022, 16.0932



17.4666, 19.5947, 15.8808



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



37.8316, 47.5364, 19.7525



64.0778, 83.4257, 26.7618



29.8909, 43.4428, 19.3809



10.6458, 11.6204, 10.7437



20.1921, 29.2383, 4.5793



0.9344, 1.2953, 0.2008

Inverse Universe

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



22.9831, 17.7899, 52.6774



34.2277, 23.5294, 93.0979



31.0104, 21.9281, 53.0530



9.7720, 9.8736, 12.6756



7.3725, 3.0611, 33.7589



0.3861, 0.1671, 1.4618

Previews

White Background



This preview shows how the XYZ color 37.8304, 47.5343, 19.7515 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 37.8304, 47.5343, 19.7515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

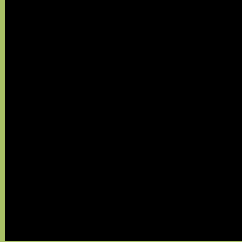
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8304, 47.5343, 19.7515

Background



This preview shows how black text looks on a background with the XYZ color 37.8304, 47.5343, 19.7515.



This preview shows how white text looks on a background with the XYZ color 37.8304, 47.5343,

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

37.8304, 47.5343, 19.7515

Protanopia

43.5427, 47.3244, 18.6440

Deuteranopia

48.3629, 47.3885, 20.2336



Tritanopia

45.8620, 47.3109, 59.5380

Trichromacy



Original Color

37.8304, 47.5343, 19.7515

Protanomaly

41.3058, 47.4079, 19.0302

Deuteranomaly

43.9064, 47.1723, 20.1557

Tritanomaly

42.2120, 47.0736, 41.0437

Monochromacy



Original Color

37.8304, 47.5343, 19.7515

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.3068, 44.4783, 34.5304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8304, 47.5343, 19.7515 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, 193, 102)` looks like.

```
.text, #text, p{  
    color:rgb(169, 193, 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(169, 193, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 193, 102) }
```

Border

The CSS property to change the border of an element to XYZ 37.8304, 47.5343, 19.7515 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, 193, 102) }
```


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

```
.border{ border-color:rgb(169, 193, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 193, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 193, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 193, 102);  
box-shadow:4px 4px 4px 4px rgb(169, 193,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8304, 47.5343, 19.7515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 193, 102) }
```

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

```
.background{ background-color: rgb(169,  
193, 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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