

Converting Colors

XYZ(38.0787, 47.2623, 11.9288)

Have a look what the booklet for
XYZ(38.0787, 47.2623, 11.9288)
contains.

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Color

**XYZ(37.9163, 47.0967,
11.9427)**

Conversions

Conversions Part 1

Format	Color
Hex	B2BF40
RGB	178, 191, 64
RGB Percent	70%, 75%, 25%
CMY	0.3020, 0.2510, 0.7490
CMYK	0.07, 0.00, 0.66, 0.25
HSL	66°, 50%, 50%
HSV	66°, 66%, 75%
XYZ	37.9163, 47.0967, 11.9427
YIQ	172.6350, 33.0190, -42.2530

Conversions

Conversions Part 2

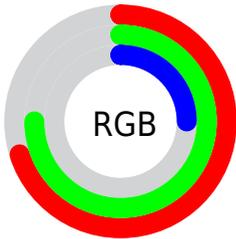
Format	Color
RYB	64, 191, 77
Decimal	11714368
CIELab	74.25, -20.94, 59.87
CIElCh	74, 63.427, 109.281
Yxy	47.0967, 0.3911, 0.4858
Android (android.graphics.Color)	4289904448 (0xFFB2BF40)
YUV	172.6350, -53.5571, 4.7051
Hunter-Lab	68.6270, -21.4764, 37.7211

Details

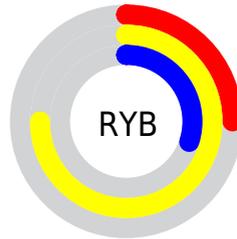
The XYZ color **37.9163, 47.0967, 11.9427** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **14.2995, 9.0073, 50.2779**, and the grayscale version is **39.7879, 41.8600, 45.5855**.

A 20% lighter version of the original color is **71.1229, 85.6624, 29.9255**, and **17.1145, 22.3145, 3.4051** is the 20% darker color. If you saturate the color by 10%, you get **37.0180, 46.6876, 9.5335**, and if you desaturate by 10%, it is **39.0093, 47.5878, 15.3342**.

Distribution



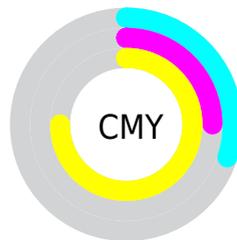
- Red (70%)
- Green (75%)
- Blue (25%)



- Red (25%)
- Yellow (75%)
- Blue (30%)



- Cyan (7%)
- Magenta (0%)
- Yellow (66%)
- Black (25%)



- Cyan (30%)
- Magenta (25%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9163, 47.0967, 11.9427 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 37.9163, 47.0967, 11.9427 by changing the saturation by 10% instead.

■ 37.9163, 47.0967,
11.9427

■ 37.9163, 47.0967,
11.9427

328.5479,
375.2004, 214.9900

■ 26.0947, 33.1121,
6.5826

■ 71.2846, 85.8579,
30.0535

■ 17.0275, 22.2123,
3.1280

■ 93.5619, 111.4034,
43.6414

■ 10.3495, 14.0130,
1.1604

■ 120.0551,
141.5712, 60.8088

■ 5.6954, 8.1297,
0.0000

■ 151.1297,
176.7459, 81.9745

■ 2.6996, 4.1781,
0.0000

■ 187.1509,
217.3117, 107.5569

■ 0.9970, 1.7737,
0.0000

228.4840,

■ 0.0000, 0.4707,

263.6532, 137.9746

0.0000

275.4946,
316.1546, 173.6461

■ 0.0000, 0.0000,
0.0000

■ 37.9163, 47.0967,
11.9427

■ 37.9163, 47.0967,
11.9427

■ 37.0180, 46.6876,
9.5335

■ 39.0093, 47.5878,
15.3342

■ 36.2912, 46.3462,
7.9988

■ 40.3108, 48.1614,
19.7953

■ 35.7108, 46.0640,
7.2016

■ 41.8373, 48.8257,
25.4069

■ 35.5236, 45.9717,
7.0011

■ 43.6023, 49.5862,
32.2413

■ 45.6187, 50.4479,
40.3650

■ 47.8980, 51.4156,
49.8396

■ 50.4513, 52.4937,
60.7228

■ 53.2890, 53.6862,
73.0688

■ 56.4208, 54.9972,
86.9292

Harmonies

Analogous

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



48.9612, 47.0967, 11.0488



37.9163, 47.0967, 11.9427



30.1351, 47.0967, 20.2863

Triad

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



37.9163, 47.0967, 11.9427



31.9457, 47.0967, 115.0025



69.9082, 47.0967, 63.8502

Complementary

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



37.9163, 47.0967, 11.9427



14.2995, 9.0073, 50.2779

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.



63.4944, 47.0967, 104.0295



37.9163, 47.0967, 11.9427



40.8138, 47.0967, 140.8644

Square

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



37.9163, 47.0967, 11.9427



27.1140, 47.0967, 74.8983



52.3902, 47.0967, 136.1651



68.7755, 47.0967, 33.2361

Rectangle

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



37.9163, 47.0967, 11.9427



27.2488, 47.0967, 32.1406



52.3902, 47.0967, 136.1651



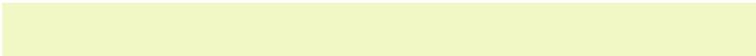
68.5256, 47.0967, 76.8185

Sweetspot

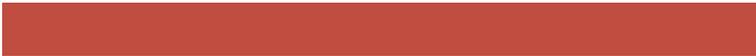
The Sweet Spot groups the original color and five complimentary colors.



37.9174, 47.0989, 11.9437



80.2627, 89.7350, 66.4438



25.0459, 16.7137, 6.7572



17.4001, 19.6089, 13.6852



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.



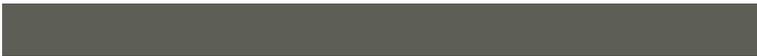
37.9174, 47.0989, 11.9437



65.6381, 83.3065, 15.5783



26.6020, 41.2655, 11.4141



10.2234, 11.0696, 10.1744



23.3838, 30.2307, 4.6026



0.9440, 1.1986, 0.1816

Inverse Universe

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



14.2995, 9.0073, 50.2779



20.4673, 10.2654, 89.1818



22.0879, 13.0223, 50.6424



9.1048, 9.2709, 11.9818



6.3971, 2.5839, 32.5545



0.2813, 0.1171, 1.2766

Previews

White Background



This preview shows how the XYZ color 37.9163, 47.0967, 11.9427 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 37.9163, 47.0967, 11.9427 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 37.9163, 47.0967, 11.9427

Background



This preview shows how black text looks on a background with the XYZ color 37.9163, 47.0967, 11.9427.



This preview shows how white text looks on a background with the XYZ color 37.9163, 47.0967,

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

37.9163, 47.0967, 11.9427

Protanopia

42.7048, 47.0521, 11.3886

Deuteranopia

47.7276, 46.6602, 12.2852



Tritanopia

47.2316, 47.1668, 57.0668

Trichromacy



Original Color

37.9163, 47.0967, 11.9427

Protanomaly

40.9618, 47.0788, 11.6308

Deuteranomaly

43.6591, 46.6152, 12.1654

Tritanomaly

42.3715, 46.3814, 33.9134

Monochromacy



Original Color

37.9163, 47.0967, 11.9427

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.2341, 43.4499, 28.5618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9163, 47.0967, 11.9427 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, 191, 64)` looks like.

```
.text, #text, p{  
    color:rgb(178, 191, 64)  
}
```

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, 191, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 191, 64) }
```

Border

The CSS property to change the border of an element to XYZ 37.9163, 47.0967, 11.9427 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, 191, 64) }
```

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

```
.border{ border-color:rgb(178, 191, 64) }
```

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

Here you see how a box with a 4 pixel rgb(178, 191, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 191, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 191, 64);  
box-shadow:4px 4px 4px 4px rgb(178, 191,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9163, 47.0967, 11.9427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 191, 64) }
```

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

```
.background{ background-color: rgb(178,  
191, 64) }
```

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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