

Converting Colors

XYZ(31.0597, 37.1920, 12.7495)

Have a look what the booklet for
XYZ(31.0597, 37.1920, 12.7495)
contains.

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Color

**XYZ(31.0597, 37.1920,
12.7495)**

Conversions

Conversions Part 1

Format	Color
Hex	A4AA4E
RGB	164, 170, 78
RGB Percent	64%, 67%, 31%
CMY	0.3569, 0.3333, 0.6941
CMYK	0.04, 0.00, 0.54, 0.33
HSL	64°, 37%, 49%
HSV	64°, 54%, 67%
XYZ	31.0597, 37.1920, 12.7495
YIQ	157.7180, 25.9560, -29.8840

Conversions

Conversions Part 2

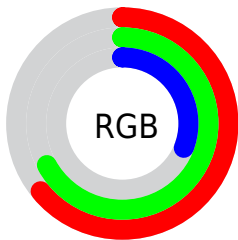
Format	Color
RYB	78, 170, 84
Decimal	10791502
CIELab	67.42, -15.18, 45.98
CIELCh	67, 48.424, 108.267
Yxy	37.1920, 0.3834, 0.4592
Android (android.graphics.Color)	4288981582 (0xFFA4AA4E)
YUV	157.7180, -39.3010, 5.5093
Hunter-Lab	60.9852, -15.8144, 30.2946

Details

The XYZ color **31.0597, 37.1920, 12.7495** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.6375, 10.2368, 39.2895**, and the grayscale version is **32.5365, 34.2310, 37.2775**.

A 20% lighter version of the original color is **60.7733, 70.8343, 31.5884**, and **13.0953, 16.3464, 3.4423** is the 20% darker color. If you saturate the color by 10%, you get **30.2997, 36.8630, 9.9335**, and if you desaturate by 10%, it is **31.9811, 37.5885, 16.3969**.

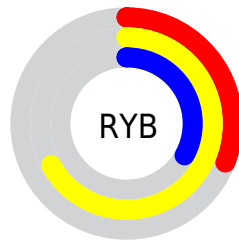
Distribution



Red (64%)

Green (67%)

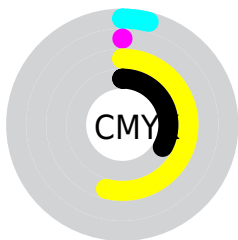
Blue (31%)



Red (31%)

Yellow (67%)

Blue (33%)

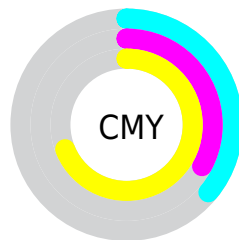


Cyan (4%)

Magenta (0%)

Yellow (54%)

Black (33%)



Cyan (36%)

Magenta (33%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0597, 37.1920, 12.7495 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 31.0597, 37.1920, 12.7495 by changing the saturation by 10% instead.

■ 31.0597, 37.1920,
12.7495

■ 31.0597, 37.1920,
12.7495

298.6352,
334.1410, 220.4571

■ 20.7964, 25.3562,
7.1276

■ 60.7093, 70.8680,
31.5376

■ 13.0868, 16.3426,
3.4624

■ 80.8262, 93.4769,
45.5408

■ 7.5658, 9.7669,
1.3353

■ 104.9583,
120.4457, 63.1749

■ 3.8678, 5.2447,
0.0905

■ 133.4711,
152.1588, 84.8584

■ 1.6276, 2.3915,
0.0000

■ 166.7298,
189.0004, 111.0098

■ 0.4103, 0.8215,
0.0000

205.0998,

■ 0.0000, 0.0000,

231.3551, 142.0477

0.0000

248.9465,
279.6071, 178.3906

■ 31.0597, 37.1920,
12.7495

■ 31.0597, 37.1920,
12.7495

■ 30.2997, 36.8630,
9.9335

■ 31.9811, 37.5885,
16.3969

■ 29.6860, 36.5914,
7.8813

■ 33.0722, 38.0517,
20.9319

■ 29.2051, 36.3732,
6.5184

■ 34.3441, 38.5875,
26.4083

■ 28.8400, 36.2015,
5.7547

■ 35.8061, 39.1996,
32.8751

■ 28.6555, 36.1127,
5.4601

■ 37.4668, 39.8914,
40.3777

■ 39.3343, 40.6661,
48.9591

■ 41.4164, 41.5269,
58.6594

■ 43.7202, 42.4766,
69.5170

■ 46.2527, 43.5181,
81.5683

Harmonies

Analogous

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



38.3344, 37.1920, 12.1993



31.0597, 37.1920, 12.7495



25.7273, 37.1920, 18.9150

Triad

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



31.0597, 37.1920, 12.7495



26.6698, 37.1920, 79.3298



51.2580, 37.1920, 49.3958

Complementary

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



31.0597, 37.1920, 12.7495



13.6375, 10.2368, 39.2895

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.



47.1146, 37.1920, 74.2803



31.0597, 37.1920, 12.7495



32.5244, 37.1920, 95.1946

Square

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



31.0597, 37.1920, 12.7495



23.4483, 37.1920, 54.7166



40.0180, 37.1920, 93.0774



50.7202, 37.1920, 28.9808

Rectangle

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



31.0597, 37.1920, 12.7495



23.6737, 37.1920, 27.1601



40.0180, 37.1920, 93.0774



50.3452, 37.1920, 57.6077

Sweetspot

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



31.0606, 37.1937, 12.7503



64.3562, 70.8661, 56.9385



21.0167, 15.2225, 9.0388



14.2310, 15.7529, 12.1614



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.0606, 37.1937, 12.7503



54.7219, 66.7702, 17.1454



23.4141, 33.2518, 12.3924



8.0978, 8.7485, 8.0511



21.0964, 26.5728, 4.0172



0.5272, 0.6537, 0.0984

Inverse Universe

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



13.6375, 10.2368, 39.2895



19.8001, 12.6938, 70.4084



18.9739, 12.9878, 39.5393



7.1755, 7.3231, 9.4536



5.4582, 2.1972, 28.1119



0.1465, 0.0605, 0.6846

Previews

White Background



This preview shows how the XYZ color 31.0597, 37.1920, 12.7495 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 31.0597, 37.1920, 12.7495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

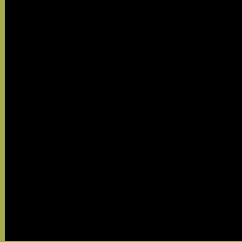
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0597, 37.1920, 12.7495

Background



This preview shows how black text looks on a background with the XYZ color 31.0597, 37.1920, 12.7495.



This preview shows how white text looks on a background with the XYZ color 31.0597, 37.1920,

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

31.0597, 37.1920, 12.7495

Protanopia

33.8714, 37.0178, 12.1974

Deuteranopia

37.7686, 36.9427, 13.1227



Tritanopia

37.4728, 37.1188, 44.2194

Trichromacy



Original Color

31.0597, 37.1920, 12.7495

Protanomaly

32.6550, 36.9222, 12.4268

Deuteranomaly

34.9691, 36.7752, 13.0398

Tritanomaly

34.4405, 36.9319, 29.3581

Monochromacy



Original Color

31.0597, 37.1920, 12.7495

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.3800, 34.8992, 25.8512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0597, 37.1920, 12.7495 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(164, 170, 78)` looks like.

```
.text, #text, p{  
    color:rgb(164, 170, 78)  
}
```

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(164, 170, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 170, 78) }
```

Border

The CSS property to change the border of an element to XYZ 31.0597, 37.1920, 12.7495 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(164, 170, 78) }
```


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

```
.border{ border-color:rgb(164, 170, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 170, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 170, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 170, 78);  
box-shadow:4px 4px 4px 4px rgb(164, 170,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0597, 37.1920, 12.7495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 170, 78) }
```

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

```
.background{ background-color: rgb(164,  
170, 78) }
```

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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