

Converting Colors

XYZ(31.3751, 37.5711, 17.6447)

Have a look what the booklet for
XYZ(31.3751, 37.5711, 17.6447)
contains.

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Color

**XYZ(31.3604, 37.5195,
17.6457)**

Conversions

Conversions Part 1

Format	Color
Hex	A0AB64
RGB	160, 171, 100
RGB Percent	63%, 67%, 39%
CMY	0.3725, 0.3294, 0.6078
CMYK	0.06, 0.00, 0.42, 0.33
HSL	69°, 30%, 53%
HSV	69°, 42%, 67%
XYZ	31.3604, 37.5195, 17.6457
YIQ	159.6170, 16.2350, -24.4130

Conversions

Conversions Part 2

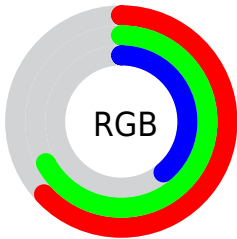
Format	Color
RYB	100, 171, 111
Decimal	10529636
CIELab	67.66, -15.12, 35.21
CIELCh	68, 38.319, 113.244
Yxy	37.5195, 0.3624, 0.4336
Android (android.graphics.Color)	4288719716 (0xFFA0AB64)
YUV	159.6170, -29.3912, 0.3359
Hunter-Lab	61.2532, -15.8046, 25.7971

Details

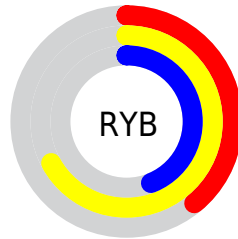
The XYZ color **31.3604, 37.5195, 17.6457** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.4648, 15.4351, 40.5363**, and the grayscale version is **33.3638, 35.1013, 38.2253**.

A 20% lighter version of the original color is **61.1828, 71.2586, 40.2354**, and **13.2578, 16.5585, 5.6293** is the 20% darker color. If you saturate the color by 10%, you get **30.0943, 36.9538, 13.7104**, and if you desaturate by 10%, it is **32.8134, 38.1639, 22.4981**.

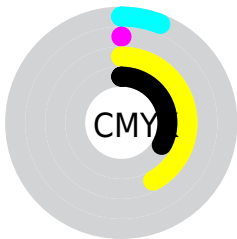
Distribution



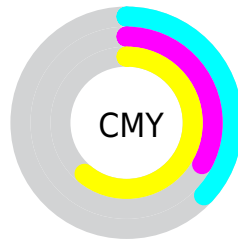
- Red (63%)
- Green (67%)
- Blue (39%)



- Red (39%)
- Yellow (67%)
- Blue (44%)



- Cyan (6%)
- Magenta (0%)
- Yellow (42%)
- Black (33%)



- Cyan (37%)
- Magenta (33%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3604, 37.5195, 17.6457 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 31.3604, 37.5195, 17.6457 by changing the saturation by 10% instead.

■ 31.3604, 37.5195,
17.6457

■ 31.3604, 37.5195,
17.6457

299.9926,
335.5542, 251.0351

■ 21.0266, 25.6100,
10.5291

■ 61.1790, 71.3711,
40.2384

■ 13.2560, 16.5321,
5.6410

■ 81.3946, 94.0819,
56.5516

■ 7.6833, 9.9014,
2.5628

■ 105.6348,
121.1619, 76.7675

■ 3.9431, 5.3337,
0.8732

■ 134.2649,
152.9956, 101.3045

■ 1.6700, 2.4443,
0.0000

167.6504,
189.9672, 130.5812

■ 0.4374, 0.8486,
0.0000

206.1566,

■ 0.0000, 0.0000,

232.4613, 165.0162

0.0000

250.1489,
280.8622, 205.0280

■ 31.3604, 37.5195,
17.6457

■ 31.3604, 37.5195,
17.6457

■ 30.0943, 36.9538,
13.7104

■ 32.8134, 38.1639,
22.4981

■ 29.0013, 36.4573,
10.6320

■ 34.4606, 38.8860,
28.3180

■ 28.0700, 36.0269,
8.3472


■ 36.3123, 39.6911,
35.1547

■ 27.2864, 35.6567,
6.7825


■ 38.3771, 40.5829,
43.0539


■ 26.6341, 35.3404,
5.8511


■ 40.6633, 41.5645,
52.0580

 26.1532, 35.1020,
5.3970

 43.1784, 42.6391,
62.2076

 45.9300, 43.8095,
73.5408

 48.9249, 45.0787,
86.0942

 52.1699, 46.4493,
99.9029

Harmonies

Analogous

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



37.0153, 37.5195, 16.3006



31.3604, 37.5195, 17.6457



27.3067, 37.5195, 24.3030

Triad

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



31.3604, 37.5195, 17.6457



29.2819, 37.5195, 72.8817



48.1832, 37.5195, 44.8034

Complementary

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



31.3604, 37.5195, 17.6457



18.4648, 15.4351, 40.5363

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.



45.5663, 37.5195, 63.5957



31.3604, 37.5195, 17.6457



34.3404, 37.5195, 82.4617

Square

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



31.3604, 37.5195, 17.6457



26.2026, 37.5195, 55.0947



40.3382, 37.5195, 78.6621



47.1593, 37.5195, 29.3039

Rectangle

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



31.3604, 37.5195, 17.6457



25.8460, 37.5195, 32.1668



40.3382, 37.5195, 78.6621



47.6914, 37.5195, 50.9756

Sweetspot

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



31.3613, 37.5212, 17.6465



64.7886, 70.9763, 62.0501



24.7424, 20.8717, 14.7817



14.3516, 15.7861, 13.4761



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.



31.3613, 37.5212, 17.6465



54.0294, 66.2396, 24.9552



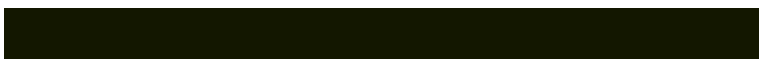
25.3000, 34.3965, 17.3628



8.5389, 9.2664, 8.5519



19.7505, 26.4788, 4.0700



0.5817, 0.7532, 0.1147

Inverse Universe

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



18.4648, 15.4351, 40.5363



27.7606, 21.2166, 71.6340



23.7898, 18.1802, 40.7855



7.6902, 7.8146, 10.0557



5.9020, 2.4025, 29.1972



0.1987, 0.0846, 0.8138

Previews

White Background



This preview shows how the XYZ color 31.3604, 37.5195, 17.6457 looks on a white background.

Color Contrast Check

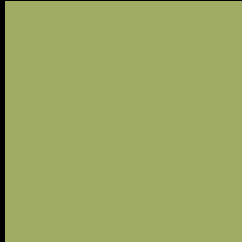
Large Text (above 18pt) WCAG AA × Fail

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 31.3604, 37.5195, 17.6457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

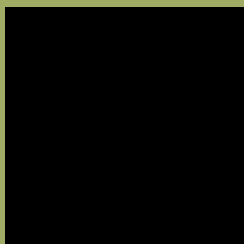
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

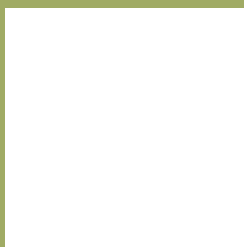
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3604, 37.5195, 17.6457

Background



This preview shows how black text looks on a background with the XYZ color 31.3604, 37.5195, 17.6457.



This preview shows how white text looks on a background with the XYZ color 31.3604, 37.5195,

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

31.3604, 37.5195, 17.6457

Protanopia

34.4821, 37.4954, 16.9752

Deuteranopia

38.0583, 37.2353, 18.0132



Tritanopia

37.0204, 37.3708, 45.8195

Trichromacy



Original Color

31.3604, 37.5195, 17.6457

Protanomaly

33.3044, 37.4225, 17.2723

Deuteranomaly

35.3262, 37.1143, 17.8723

Tritanomaly

34.5263, 37.1554, 33.3689

Monochromacy



Original Color

31.3604, 37.5195, 17.6457

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.3601, 35.8595, 29.2608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3604, 37.5195, 17.6457 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(160, 171, 100)` looks like.

```
.text, #text, p{  
    color:rgb(160, 171, 100)  
}
```

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(160, 171, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 171, 100) }
```

Border

The CSS property to change the border of an element to XYZ 31.3604, 37.5195, 17.6457 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(160, 171, 100) }
```


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

```
.border{ border-color:rgb(160, 171, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 171, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 171, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 171, 100);  
box-shadow:4px 4px 4px 4px rgb(160, 171,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3604, 37.5195, 17.6457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 171, 100) }
```

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

```
.background{ background-color: rgb(160,  
171, 100) }
```

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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