

Converting Colors

XYZ(31.7604, 37.7720, 6.0492)

Have a look what the booklet for
XYZ(31.7604, 37.7720, 6.0492)
contains.

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Color

**XYZ(31.6876, 37.6654,
6.0155)**

Conversions

Conversions Part 1

Format	Color
Hex	ADAA0E
RGB	173, 170, 14
RGB Percent	68%, 67%, 5%
CMY	0.3216, 0.3333, 0.9450
CMYK	0.00, 0.02, 0.92, 0.32
HSL	59°, 85%, 37%
HSV	59°, 92%, 68%
XYZ	31.6876, 37.6654, 6.0155
YIQ	153.1130, 51.8640, -47.8800

Conversions

Conversions Part 2

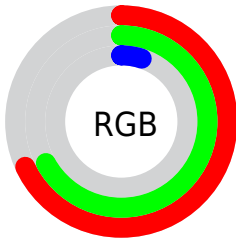
Format	Color
R _{YB}	17, 173, 14
Decimal	11381262
CIE Lab	67.77, -14.39, 68.26
CIE LCh	68, 69.764, 101.905
Yxy	37.6654, 0.4204, 0.4997
Android (android.graphics.Color)	4289571342 (0xFFADAA0E)
YUV	153.1130, -68.5827, 17.4409
Hunter-Lab	61.3721, -15.2383, 37.1491

Details

The XYZ color **31.6876, 37.6654, 6.0155** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.9247, 3.5117, 39.7951**, and the grayscale version is **30.6026, 32.1963, 35.0618**.

A 20% lighter version of the original color is **61.6891, 71.6003, 18.3535**, and **13.6809, 16.6699, 2.4965** is the 20% darker color. If you saturate the color by 10%, you get **31.5597, 37.5366, 5.5819**, and if you desaturate by 10%, it is **31.9217, 37.8584, 6.9430**.

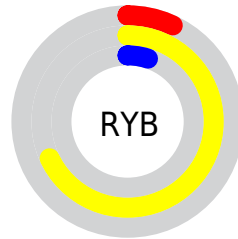
Distribution



Red (68%)

Green (67%)

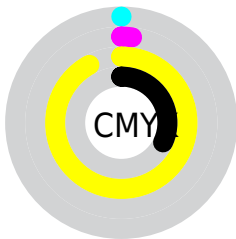
Blue (5%)



Red (7%)

Yellow (68%)

Blue (5%)

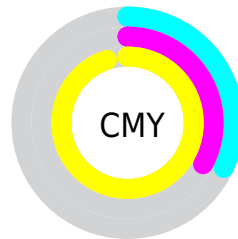


Cyan (0%)

Magenta (2%)

Yellow (92%)

Black (32%)



Cyan (32%)


Magenta (33%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6876, 37.6654, 6.0155 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 31.6876, 37.6654, 6.0155 by changing the saturation by 10% instead.


 31.6876, 37.6654,
6.0155


 31.6876, 37.6654,
6.0155


301.4643,
336.1824, 168.5203


 21.2774, 25.7231,
2.7856

 61.6895, 71.5950,
18.4413


 13.4405, 16.6166,
0.9862


 82.0120, 94.3511,
28.4742

 7.8117, 9.9615,
0.0000


 106.3692,
121.4805, 41.6119

 4.0255, 5.3735,
0.0000

 135.1265,
153.3678, 58.2728

 1.7166, 2.4680,
0.0000

 168.6493,
190.3972, 78.8756

 0.4666, 0.8606,
0.0000

 207.3030,

 0.0000, 0.0000,

232.9532, 103.8388

0.0000

251.4529,
281.4201, 133.5808

■ 31.6876, 37.6654,
6.0155

■ 31.6876, 37.6654,
6.0155

■ 31.5597, 37.5366,
5.5819

■ 31.9217, 37.8584,
6.9430

■ 32.2778, 38.0989,
8.5157

■ 32.7739, 38.3957,
10.8246

■ 33.4243, 38.7544,
13.9455

■ 34.2416, 39.1802,
17.9450

■ 35.2373, 39.6776,
22.8826

■ 36.4216, 40.2506,
28.8129

■ 37.8041, 40.9032,
35.7860

■ 39.3936, 41.6388,
43.8487

Harmonies

Analogous

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



42.6391, 37.6654, 6.4893



31.6876, 37.6654, 6.0155



23.6523, 37.6654, 10.7770

Triad

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



31.6876, 37.6654, 6.0155



22.4708, 37.6654, 94.8835



59.3676, 37.6654, 62.3759

Complementary

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



31.6876, 37.6654, 6.0155



7.9247, 3.5117, 39.7951

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.



51.5241, 37.6654, 103.0438



31.6876, 37.6654, 6.0155



29.7341, 37.6654, 127.4024

Square

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



31.6876, 37.6654, 6.0155



19.0926, 37.6654, 54.5326



40.2533, 37.6654, 130.9711



60.1838, 37.6654, 29.9329

Rectangle

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



31.6876, 37.6654, 6.0155



20.4374, 37.6654, 18.9085



40.2533, 37.6654, 130.9711



57.4020, 37.6654, 75.8455

Sweetspot

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



31.6885, 37.6672, 6.0163



63.7934, 71.3957, 44.3999



17.5109, 9.2467, 1.4921



13.6825, 15.4272, 8.7444



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.



31.6885, 37.6672, 6.0163



56.5032, 67.1886, 9.9907



20.1472, 32.5604, 5.6389



8.6496, 9.3039, 8.5533



23.1904, 27.5864, 4.1024



0.6491, 0.7754, 0.1155

Inverse Universe

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



7.9247, 3.5117, 39.7951



13.5548, 5.4953, 71.1521



11.7441, 5.4164, 39.9614



7.5906, 7.7805, 10.0544



5.5721, 2.2781, 29.1905



0.1588, 0.0710, 0.8133

Previews

White Background



This preview shows how the XYZ color 31.6876, 37.6654, 6.0155 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 31.6876, 37.6654, 6.0155 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 31.6876, 37.6654, 6.0155

Background



This preview shows how black text looks on a background with the XYZ color 31.6876, 37.6654, 6.0155.



This preview shows how white text looks on a background with the XYZ color 31.6876, 37.6654,

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

31.6876, 37.6654, 6.0155

Protanopia

33.9523, 37.7381, 5.8425

Deuteranopia

38.2790, 37.6077, 6.3401



Tritanopia

39.2497, 37.5463, 43.2087

Trichromacy



Original Color

31.6876, 37.6654, 6.0155

Protanomaly

32.9474, 37.4902, 5.8806

Deuteranomaly

35.5807, 37.5046, 6.1744

Tritanomaly

34.7234, 36.7362, 20.8835

Monochromacy



Original Color

31.6876, 37.6654, 6.0155

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.2936, 33.2292, 17.4403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6876, 37.6654, 6.0155 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(173, 170, 14)` looks like.

```
.text, #text, p{  
    color:rgb(173, 170, 14)  
}
```

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(173, 170, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 170, 14) }
```

Border

The CSS property to change the border of an element to XYZ 31.6876, 37.6654, 6.0155 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(173, 170, 14) }
```


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

```
.border{ border-color:rgb(173, 170, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 170, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 170, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 170, 14);  
box-shadow:4px 4px 4px 4px rgb(173, 170,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6876, 37.6654, 6.0155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 170, 14) }
```

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

```
.background{ background-color: rgb(173,  
170, 14) }
```

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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