

Converting Colors

XYZ(31.3946, 37.3600, 23.7434)

Have a look what the booklet for
XYZ(31.3946, 37.3600, 23.7434)
contains.

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Color

**XYZ(31.3405, 37.3763,
23.6517)**

Conversions

Conversions Part 1

Format	Color
Hex	9AAB79
RGB	154, 171, 121
RGB Percent	60%, 67%, 47%
CMY	0.3961, 0.3294, 0.5255
CMYK	0.10, 0.00, 0.29, 0.33
HSL	80°, 23%, 57%
HSV	80°, 29%, 67%
XYZ	31.3405, 37.3763, 23.6517
YIQ	160.2170, 5.9180, -19.1540

Conversions

Conversions Part 2

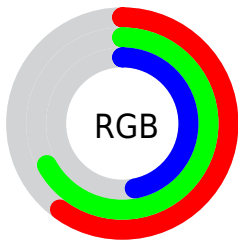
Format	Color
RYB	121, 171, 138
Decimal	10136441
CIELab	67.56, -14.74, 23.84
CIELCh	68, 28.027, 121.721
Yxy	37.3763, 0.3393, 0.4046
Android (android.graphics.Color)	4288326521 (0xFF9AAB79)
YUV	160.2170, -19.3340, -5.4523
Hunter-Lab	61.1362, -15.4830, 19.8578

Details

The XYZ color **31.3405, 37.3763, 23.6517** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.6708, 22.0193, 41.4800**, and the grayscale version is **33.5990, 35.3488, 38.4948**.

A 20% lighter version of the original color is **61.1308, 71.0040, 50.5276**, and **13.2460, 16.4863, 8.6149** is the 20% darker color. If you saturate the color by 10%, you get **29.3036, 36.4380, 18.5592**, and if you desaturate by 10%, it is **33.6189, 38.4199, 29.7274**.

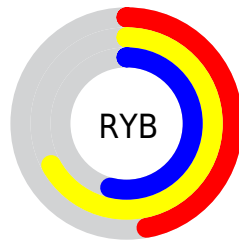
Distribution



Red (60%)

Green (67%)

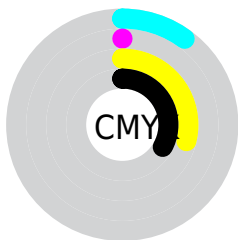
Blue (47%)



Red (47%)

Yellow (67%)

Blue (54%)

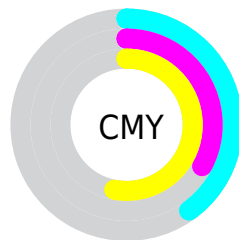


Cyan (10%)

Magenta (0%)

Yellow (29%)

Black (33%)



Cyan (40%)


Magenta (33%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3405, 37.3763, 23.6517 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 31.3405, 37.3763, 23.6517 by changing the saturation by 10% instead.


 31.3405, 37.3763,
23.6517


 31.3405, 37.3763,
23.6517


299.9029,
334.9368, 284.2845

 21.0114, 25.4990,
14.8656


 61.1480, 71.1512,
50.3979

 13.2448, 16.4492,
8.5796


 81.3570, 93.8175,
69.1951

 7.6755, 9.8426,
4.3749

 105.5900,
120.8489, 92.1665

 3.9381, 5.2947,
1.8332

134.2125,
152.6299, 119.7306

 1.6672, 2.4212,
0.4497

167.5896,
189.5448, 152.3059

 0.4356, 0.8368,
0.0000

206.0868,

 0.0000, 0.0000,

231.9780, 190.3109

0.0000

250.0695,
280.3138, 234.1643

■ 31.3405, 37.3763,
23.6517

■ 31.3405, 37.3763,
23.6517

■ 29.3036, 36.4380,
18.5592

■ 33.6189, 38.4199,
29.7274

■ 27.4948, 35.5958,
14.3958

■ 36.1457, 39.5679,
36.8319

■ 25.9034, 34.8466,
11.1057

■ 38.9311, 40.8257,
45.0107

■ 24.5169, 34.1853,
8.6264

■ 41.9838, 42.1968,
54.3060

■ 23.3209, 33.6060,
6.8867

■ 45.3121, 43.6848,
64.7577

■ 22.2989, 33.1020,
5.8036

■ 48.9239, 45.2927,
76.4037

■ 21.4187, 32.6605,
5.2125

■ 52.8267, 47.0237,
89.2801

■ 21.3548, 32.6283,
5.1724

■ 56.5727, 48.6987,
101.0258

■ 58.1609, 49.5175,
101.1002

Harmonies

Analogous

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



35.2766, 37.3763, 21.2728



31.3405, 37.3763, 23.6517



28.7105, 37.3763, 30.4489

Triad

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



31.3405, 37.3763, 23.6517



31.7390, 37.3763, 65.4017



44.4762, 37.3763, 39.9873

Complementary

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



31.3405, 37.3763, 23.6517



24.6708, 22.0193, 41.4800

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.



43.3406, 37.3763, 53.0182



31.3405, 37.3763, 23.6517



35.7747, 37.3763, 69.3533

Square

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



31.3405, 37.3763, 23.6517



28.9272, 37.3763, 54.5056



40.0664, 37.3763, 64.4279



43.0569, 37.3763, 29.4420

Rectangle

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



31.3405, 37.3763, 23.6517



27.9338, 37.3763, 37.3712



40.0664, 37.3763, 64.4279



44.3803, 37.3763, 44.2133

Sweetspot

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



31.3415, 37.3779, 23.6525



64.7703, 70.8778, 66.0719



29.2879, 28.1211, 21.9740



14.2943, 15.7382, 14.3050



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.



31.3415, 37.3779, 23.6525



53.7519, 65.8442, 36.3430



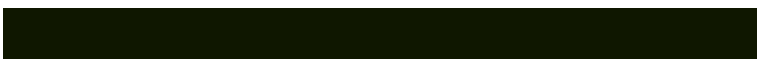
27.1193, 35.2013, 23.4549



8.3941, 9.1918, 8.5451



16.1554, 24.6255, 3.9017



0.5048, 0.7136, 0.1111

Inverse Universe

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



24.6708, 22.0193, 41.4800



39.8779, 33.8877, 73.4411



29.2255, 24.3674, 41.6932



7.8261, 7.8846, 10.0621



6.9148, 2.9246, 29.2446



0.2518, 0.1120, 0.8163

Previews

White Background



This preview shows how the XYZ color 31.3405, 37.3763, 23.6517 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 31.3405, 37.3763, 23.6517 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

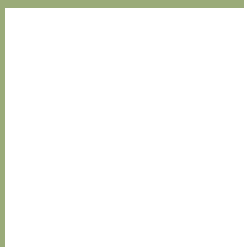
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3405, 37.3763, 23.6517

Background



This preview shows how black text looks on a background with the XYZ color 31.3405, 37.3763, 23.6517.



This preview shows how white text looks on a background with the XYZ color 31.3405, 37.3763,

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

31.3405, 37.3763, 23.6517

Protanopia

34.6769, 37.2060, 22.4934

Deuteranopia

37.8573, 37.2464, 24.2628



Tritanopia

36.1116, 37.4066, 46.9119

Trichromacy



Original Color

31.3405, 37.3763, 23.6517

Protanomaly

33.5107, 37.4044, 22.9063

Deuteranomaly

35.2627, 37.2082, 24.0622

Tritanomaly

34.2026, 37.4427, 37.3228

Monochromacy



Original Color

31.3405, 37.3763, 23.6517

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.5643, 35.8953, 32.4063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3405, 37.3763, 23.6517 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(154, 171, 121)` looks like.

```
.text, #text, p{  
    color:rgb(154, 171, 121)  
}
```

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(154, 171, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 171, 121) }
```

Border

The CSS property to change the border of an element to XYZ 31.3405, 37.3763, 23.6517 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(154, 171, 121) }
```


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

```
.border{ border-color:rgb(154, 171, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 171, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 171, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 171, 121);  
box-shadow:4px 4px 4px 4px rgb(154, 171,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3405, 37.3763, 23.6517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 171, 121) }
```

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

```
.background{ background-color: rgb(154,  
171, 121) }
```

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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