

Converting Colors

XYZ(37.3408, 23.4238, 97.1609)

Have a look what the booklet for
XYZ(37.3408, 23.4238, 97.1609)
contains.

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Color

**XYZ(37.3371, 23.3723,
97.1512)**

Conversions

Conversions Part 1

Format	Color
Hex	A360FF
RGB	163, 96, 255
RGB Percent	64%, 38%, 100%
CMY	0.3608, 0.6235, 0.0000
CMYK	0.36, 0.62, 0.00, 0.00
HSL	265°, 100%, 69%
HSV	265°, 62%, 100%
XYZ	37.3371, 23.3723, 97.1512
YIQ	134.1590, -11.1070, 63.6530

Conversions

Conversions Part 2

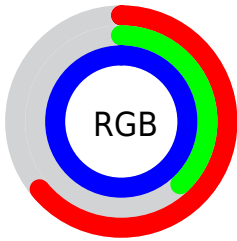
Format	Color
R _Y B	163, 96, 255
Decimal	10707199
CIE Lab	55.45, 58.20, -69.35
CIE LCh	55, 90.531, 310.005
Yxy	23.3723, 0.2365, 0.1481
Android (android.graphics.Color)	4288897279 (0xFFA360FF)
YUV	134.1590, 59.5746, 25.2936
Hunter-Lab	48.3449, 53.2532, -85.3044

Details

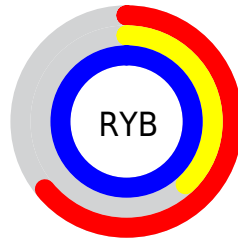
The XYZ color **37.3371, 23.3723, 97.1512** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **58.6101, 83.0557, 24.0091**, and the grayscale version is **22.5102, 23.6825, 25.7903**.

A 20% lighter version of the original color is **59.0805, 44.5623, 100.0952**, and **16.6508, 8.7020, 53.6254** is the 20% darker color. If you saturate the color by 10%, you get **32.5296, 17.9826, 96.3642**, and if you desaturate by 10%, it is **43.2532, 30.4535, 98.2062**.

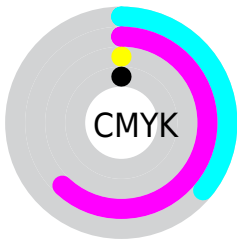
Distribution



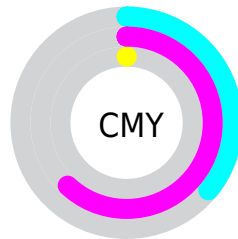
- Red (64%)
- Green (38%)
- Blue (100%)



- Red (64%)
- Yellow (38%)
- Blue (100%)



- Cyan (36%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3371, 23.3723, 97.1512 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 37.3371, 23.3723, 97.1512 by changing the saturation by 10% instead.

 37.3371, 23.3723,
97.1512

 37.3371, 23.3723,
97.1512

326.0979,
269.6315, 572.1884

 25.6435, 14.8687,
73.3200


 70.4014, 49.0039,
159.2543


 16.6884, 8.7273,
53.7442


 92.5028, 66.9007,
198.3632

 10.1065, 4.5637,
38.0054


 118.8042, 88.6973,
243.4018

 5.5324, 1.9936,
25.6850

 149.6709,
114.7781, 294.7886

 2.6008, 0.6038,
16.3645

185.4682,
145.5275, 352.9421

 0.9464, 0.0000,
9.6253

226.5616,

 0.0000, 0.0000,

181.3300, 418.2809

5.0489

273.3164,
222.5698, 491.2235

■ 0.0000, 0.0000,
2.2167

■ 0.0000, 0.0000,
0.6840

■ 37.3371, 23.3723,
97.1512

■ 37.3371, 23.3723,
97.1512

■ 32.5296, 17.9826,
96.3642

■ 43.2532, 30.4535,
98.2062

■ 28.7397, 14.1239,
95.8192

■ 50.3523, 39.3616,
99.5514

■ 25.8637, 11.6065,
95.4849

■ 58.7050, 50.2204,
101.2072

■ 24.1685, 10.3742,
95.3363

■ 68.3752, 63.1421,
103.1916

■ 79.4221, 78.2300,
105.5216

■ 91.9011, 95.5804,
108.2129

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



25.7946, 23.3723, 130.3255



37.3371, 23.3723, 97.1512



46.1762, 23.3723, 49.8568

Triad

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



37.3371, 23.3723, 97.1512



29.6090, 23.3723, 0.7366



7.9687, 23.3723, 36.4921

Complementary

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



37.3371, 23.3723, 97.1512



58.6101, 83.0557, 24.0091

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.



8.4228, 23.3723, 10.6812



37.3371, 23.3723, 97.1512



18.9823, 23.3723, 0.4513

Square

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



37.3371, 23.3723, 97.1512



40.8521, 23.3723, 3.7375



11.8514, 23.3723, 2.1253



10.3343, 23.3723, 81.2338

Rectangle

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



37.3371, 23.3723, 97.1512



48.1263, 23.3723, 25.4440



11.8514, 23.3723, 2.1253



7.8192, 23.3723, 25.4529

Sweetspot

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



37.3381, 23.3731, 97.1513



71.9220, 67.9534, 103.9334



41.0182, 45.9950, 101.3238



14.7444, 13.6628, 22.1100



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.3381, 23.3731, 97.1513



31.4309, 16.8188, 96.1975



58.7653, 34.4192, 98.1540



17.7285, 17.7518, 22.7420



12.7900, 5.5040, 49.8229



1.3667, 0.5985, 4.8568

Inverse Universe

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



54.5000, 33.2569, 51.1228



50.7391, 27.9706, 42.9776



44.2091, 75.6318, 23.3352



18.4501, 18.1633, 20.9871



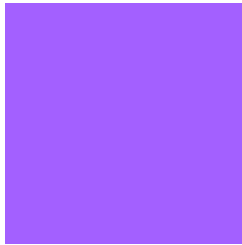
24.3992, 12.2490, 16.0185



2.4303, 1.2145, 1.8472

Previews

White Background



This preview shows how the XYZ color 37.3371, 23.3723, 97.1512 looks on a white background.

Color Contrast Check

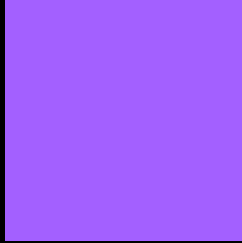
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.3371, 23.3723, 97.1512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

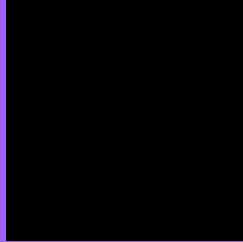
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.3371, 23.3723, 97.1512

Background



This preview shows how black text looks on a background with the XYZ color 37.3371, 23.3723, 97.1512.



This preview shows how white text looks on a background with the XYZ color 37.3371, 23.3723,

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

37.3371, 23.3723, 97.1512

Protanopia

27.6452, 23.8201, 97.7484

Deuteranopia

24.0966, 23.5010, 84.1550



Tritanopia

23.2313, 23.0829, 28.0420

Trichromacy



Original Color

37.3371, 23.3723, 97.1512



Protanomaly

29.2352, 22.4294, 97.3962



Deuteranomaly

24.9701, 21.1362, 88.3516



Tritanomaly

27.0175, 22.3959, 47.1548

Monochromacy



Original Color

37.3371, 23.3723, 97.1512



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

26.4294, 22.6670, 45.1017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3371, 23.3723, 97.1512 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(163, 96, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 96, 255)  
}
```

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(163, 96, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 96, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.3371, 23.3723, 97.1512 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(163, 96, 255) }
```


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

```
.border{ border-color:rgb(163, 96, 255) }
```

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

Here you see how a box with a 4 pixel rgb(163, 96, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 96, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 96, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 96,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3371, 23.3723, 97.1512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 96, 255) }
```

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

```
.background{ background-color: rgb(163, 96,  
255) }
```

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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