

Converting Colors

XYZ(37.3873, 30.4025, 65.5079)

Have a look what the booklet for
XYZ(37.3873, 30.4025, 65.5079)
contains.

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Color

**XYZ(37.3790, 30.3624,
65.5185)**

Conversions

Conversions Part 1

Format	Color
Hex	AD85D3
RGB	173, 133, 211
RGB Percent	68%, 52%, 83%
CMY	0.3216, 0.4784, 0.1725
CMYK	0.18, 0.37, 0.00, 0.17
HSL	271°, 47%, 67%
HSV	271°, 37%, 83%
XYZ	37.3790, 30.3624, 65.5185
YIQ	153.8520, -1.1980, 32.7380

Conversions

Conversions Part 2

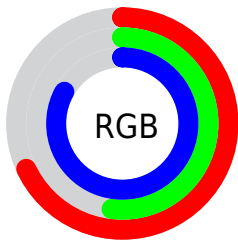
Format	Color
RYB	173, 133, 211
Decimal	11371987
CIELab	61.97, 30.27, -34.43
CIELCh	62, 45.838, 311.321
Yxy	30.3624, 0.2805, 0.2278
Android (android.graphics.Color)	4289562067 (0xFFAD85D3)
YUV	153.8520, 28.1740, 16.7928
Hunter-Lab	55.1021, 24.6584, -31.9266

Details

The XYZ color **37.3790, 30.3624, 65.5185** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **44.3233, 56.9406, 30.8460**, and the grayscale version is **30.5320, 32.1220, 34.9809**.

A 20% lighter version of the original color is **68.1334, 59.4187, 102.4857**, and **16.7018, 12.5088, 32.9866** is the 20% darker color. If you saturate the color by 10%, you get **32.5891, 24.0275, 64.5487**, and if you desaturate by 10%, it is **42.9262, 37.9504, 66.6913**.

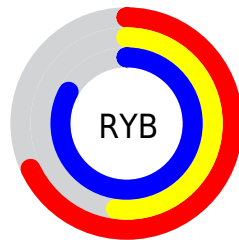
Distribution



Red (68%)

Green (52%)

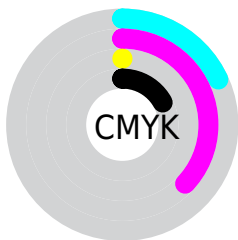
Blue (83%)



Red (68%)

Yellow (52%)

Blue (83%)

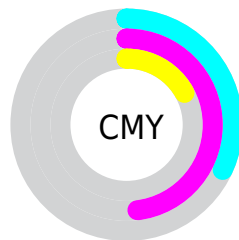


Cyan (18%)

Magenta (37%)

Yellow (0%)

Black (17%)



Cyan (32%)

Magenta (48%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3790, 30.3624, 65.5185 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 37.3790, 30.3624, 65.5185 by changing the saturation by 10% instead.

37.3790, 30.3624,
65.5185

37.3790, 30.3624,
65.5185

326.2756,
303.5900, 463.0100

25.6761, 20.1138,
47.4276

70.4654, 60.2348,
114.4154

16.7129, 12.4778,
33.0171

92.5795, 80.6275,
146.0585

10.1240, 7.0700,
21.8683

118.8948,
105.1702, 183.0560

5.5442, 3.5059,
13.5628

149.7766,
134.2475, 225.8266

2.6079, 1.4012,
7.6819

185.5902,
168.2438, 274.7888

0.9500, 0.2176,
3.8073

226.7010,

0.0000, 0.0000,

207.5434, 330.3610

1.5202

273.4743,
252.5306, 392.9619

■ 0.0000, 0.0000,
0.2329

■ 0.0000, 0.0000,
0.0000

■ 37.3790, 30.3624,
65.5185

■ 37.3790, 30.3624,
65.5185

■ 32.5891, 24.0275,
64.5487

■ 42.9262, 37.9504,
66.6913

■ 28.5143, 18.8700,
63.7680

■ 49.2632, 46.8537,
68.0758

■ 25.1131, 14.8117,
63.1639

■ 56.4246, 57.1350,
69.6828

■ 22.3374, 11.7630,
62.7217

■ 64.4416, 68.8514,
71.5218

■ 20.1318, 9.6191,
62.4242

■ 73.3438, 82.0572,
73.6015

■ 18.4241, 8.2429,
62.2485

■ 81.6730, 93.8308,
75.4351

■ 17.9675, 7.9043,
62.2072

■ 85.1596, 95.6282,
75.5982

■ 88.7580, 97.4832,
75.7666

Harmonies

Analogous

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



31.2394, 30.3624, 78.5448



37.3790, 30.3624, 65.5185



41.5532, 30.3624, 45.1165

Triad

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



37.3790, 30.3624, 65.5185



32.8081, 30.3624, 10.2563



18.7591, 30.3624, 40.1530

Complementary

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



37.3790, 30.3624, 65.5185



44.3233, 56.9406, 30.8460

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.



19.0549, 30.3624, 23.3682



37.3790, 30.3624, 65.5185



26.6019, 30.3624, 9.7501

Square

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



37.3790, 30.3624, 65.5185



38.6667, 30.3624, 15.3795



21.7425, 30.3624, 13.6097



20.8674, 30.3624, 60.7951

Rectangle

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



37.3790, 30.3624, 65.5185



42.3473, 30.3624, 32.2858



21.7425, 30.3624, 13.6097



18.5895, 30.3624, 33.8455

Sweetspot

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



37.3801, 30.3636, 65.5192



81.8954, 80.8906, 105.9048



36.1843, 39.1958, 67.2870



17.2059, 16.8500, 22.5955



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.



37.3801, 30.3636, 65.5192



51.7525, 39.1310, 99.4331



47.0101, 35.3281, 65.9699



11.7335, 11.7114, 14.8858



10.9621, 4.8315, 37.5473



0.7044, 0.3173, 2.1037

Inverse Universe

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



42.6030, 33.5653, 42.7622



61.1634, 44.8973, 58.5431



37.2017, 53.2693, 30.5127



12.0453, 11.9029, 13.5143



17.7351, 8.9669, 8.7770



1.0317, 0.5174, 0.7016

Previews

White Background



This preview shows how the XYZ color 37.3790, 30.3624, 65.5185 looks on a white background.

Color Contrast Check

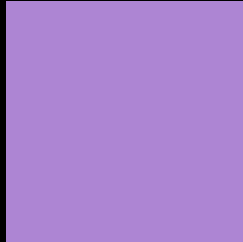
Large Text (above 18pt) WCAG AA × Fail

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 37.3790, 30.3624, 65.5185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

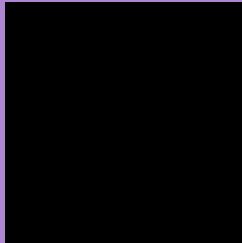
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3790, 30.3624, 65.5185

Background



This preview shows how black text looks on a background with the XYZ color 37.3790, 30.3624, 65.5185.



This preview shows how white text looks on a background with the XYZ color 37.3790, 30.3624,

65.5185.

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

37.3790, 30.3624, 65.5185

Protanopia

32.0652, 30.4802, 74.0053

Deuteranopia

31.3351, 30.5592, 63.9215



Tritanopia

31.2839, 30.2393, 35.6404

Trichromacy



Original Color

37.3790, 30.3624, 65.5185

Protanomaly

33.6145, 30.2113, 71.0775

Deuteranomaly

33.1851, 30.3594, 64.4325

Tritanomaly

33.1509, 30.1062, 45.1381

Monochromacy



Original Color

37.3790, 30.3624, 65.5185

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.7147, 31.2300, 44.8612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3790, 30.3624, 65.5185 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, 133, 211)` looks like.

```
.text, #text, p{  
    color:rgb(173, 133, 211)  
}
```

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, 133, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 133, 211) }
```

Border

The CSS property to change the border of an element to XYZ 37.3790, 30.3624, 65.5185 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, 133, 211) }
```


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

```
.border{ border-color:rgb(173, 133, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 133, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 133, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 133, 211);  
box-shadow:4px 4px 4px 4px rgb(173, 133,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3790, 30.3624, 65.5185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 133, 211) }
```

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

```
.background{ background-color: rgb(173,  
133, 211) }
```

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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