

Converting Colors

XYZ(44.9424, 33.8978, 76.2704)

Have a look what the booklet for
XYZ(44.9424, 33.8978, 76.2704)
contains.

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Color

**XYZ(44.7437, 33.7293,
76.1037)**

Conversions

Conversions Part 1

Format	Color
Hex	C484E2
RGB	196, 132, 226
RGB Percent	77%, 52%, 89%
CMY	0.2314, 0.4823, 0.1137
CMYK	0.13, 0.42, 0.00, 0.11
HSL	281°, 62%, 70%
HSV	281°, 42%, 89%
XYZ	44.7437, 33.7293, 76.1037
YIQ	161.8520, 7.9700, 42.8020

Conversions

Conversions Part 2

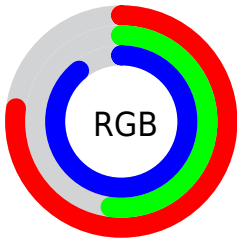
Format	Color
R_{YB}	196, 132, 226
Decimal	12879074
CIE _{Lab}	64.75, 40.91, -38.27
CIE _{LCh}	65, 56.021, 316.907
Yxy	33.7293, 0.2895, 0.2182
Android (android.graphics.Color)	4291069154 (0xFFC484E2)
YUV	161.8520, 31.6250, 29.9478
Hunter-Lab	58.0769, 35.8856, -37.0394

Details

The XYZ color **44.7437, 33.7293, 76.1037** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **46.2626, 63.7409, 31.6962**, and the grayscale version is **34.1287, 35.9060, 39.1017**.

A 20% lighter version of the original color is **76.4820, 63.4086, 102.8158**, and **21.1826, 14.4499, 39.7029** is the 20% darker color. If you saturate the color by 10%, you get **40.1735, 27.3066, 75.1054**, and if you desaturate by 10%, it is **50.0703, 41.5289, 77.3290**.

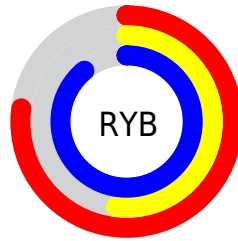
Distribution



Red (77%)

Green (52%)

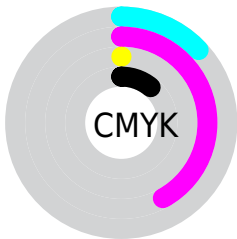
Blue (89%)



Red (77%)

Yellow (52%)

Blue (89%)

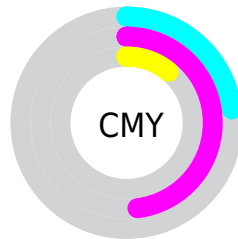


Cyan (13%)

Magenta (42%)

Yellow (0%)

Black (11%)



Cyan (23%)

Magenta (48%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7437, 33.7293, 76.1037 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 44.7437, 33.7293, 76.1037 by changing the saturation by 10% instead.

■ 44.7437, 33.7293,
76.1037

■ 44.7437, 33.7293,
76.1037

356.5357,
318.9233, 501.0589

■ 31.4560, 22.6857,
56.0104

■ 81.5751, 65.5125,
129.6349

■ 21.0999, 14.3616,
39.8072

■ 105.8495, 87.0209,
163.9099

■ 13.3099, 8.3726,
27.0756

■ 134.5169,
112.7863, 203.7492

■ 7.7208, 4.3343,
17.3971

167.9426,
143.1932, 249.5713

■ 3.9671, 1.8623,
10.3531

206.4920,
178.6260, 301.7948

■ 1.6835, 0.5255,
5.5250

250.5304,

■ 0.4459, 0.0000,

219.4690, 360.8382

2.4944

300.4232,
266.1066, 427.1200

■ 0.0000, 0.0000,
0.8372

■ 0.0000, 0.0000,
0.0000

■ 44.7437, 33.7293,
76.1037

■ 44.7437, 33.7293,
76.1037

■ 40.1735, 27.3066,
75.1054

■ 50.0703, 41.5289,
77.3290

■ 36.3115, 22.1693,
74.3174


■ 56.1903, 50.7805,
78.7922


■ 33.1092, 18.2214,
73.7241


■ 63.1425, 61.5590,
80.5062


■ 30.5099, 15.3510,
73.3071


■ 70.9619, 73.9326,
82.4824


 28.4454, 13.4241,
73.0440


 79.6814, 87.9654,
84.7314

 27.0299, 12.3486,
72.9110

 85.1783, 95.4103,
85.8787

 87.6662, 96.6928,
85.9952

 90.2524, 98.0261,
86.1162

 90.7276, 98.2710,
86.1384

Harmonies

Analogous

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



36.7745, 33.7293, 97.5702



44.7437, 33.7293, 76.1037



49.6237, 33.7293, 47.7122

Triad

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



44.7437, 33.7293, 76.1037



35.6950, 33.7293, 8.2571



19.4114, 33.7293, 51.1860

Complementary

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



44.7437, 33.7293, 76.1037



46.2626, 63.7409, 31.6962

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.



19.2212, 33.7293, 27.5698



44.7437, 33.7293, 76.1037



27.7643, 33.7293, 8.5426

Square

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



44.7437, 33.7293, 76.1037



43.8402, 33.7293, 12.9321



22.0310, 33.7293, 14.0005



22.6031, 33.7293, 79.5449

Rectangle

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



44.7437, 33.7293, 76.1037



50.0130, 33.7293, 31.6480



22.0310, 33.7293, 14.0005



19.0156, 33.7293, 42.3189

Sweetspot

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



44.7449, 33.7307, 76.1044



82.5512, 80.2012, 105.7372



36.4009, 36.7109, 77.1195



17.3999, 16.7451, 22.5650



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.



44.7449, 33.7307, 76.1044



53.5259, 36.8709, 98.9034



51.2907, 37.3424, 65.6961



13.8474, 13.7049, 17.3032



15.5490, 7.1111, 41.6014



1.1696, 0.5403, 2.8879

Inverse Universe

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



46.1379, 35.2813, 38.5620



55.9798, 39.4025, 41.7942



42.0322, 61.4267, 37.5215



13.8866, 13.7723, 15.1730



18.6108, 9.5113, 4.6161



1.3298, 0.6752, 0.5297

Previews

White Background



This preview shows how the XYZ color 44.7437, 33.7293, 76.1037 looks on a white background.

Color Contrast Check

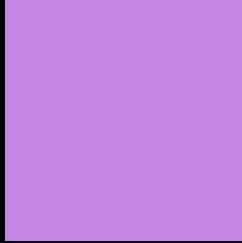
Large Text (above 18pt) WCAG AA × Fail

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 44.7437, 33.7293, 76.1037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

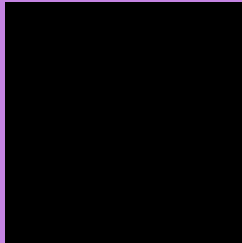
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.7437, 33.7293, 76.1037

Background



This preview shows how black text looks on a background with the XYZ color 44.7437, 33.7293, 76.1037.



This preview shows how white text looks on a background with the XYZ color 44.7437, 33.7293,

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

44.7437, 33.7293, 76.1037

Protanopia

36.3492, 33.9889, 91.0309

Deuteranopia

34.9313, 34.1483, 73.1568



Tritanopia

36.8550, 33.7752, 36.9245

Trichromacy



Original Color

44.7437, 33.7293, 76.1037



Protanomaly

38.2892, 33.2148, 85.2820



Deuteranomaly

37.6576, 33.3632, 74.2670



Tritanomaly

39.4554, 33.7120, 49.2273

Monochromacy



Original Color

44.7437, 33.7293, 76.1037



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

37.2791, 34.6347, 50.6193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7437, 33.7293, 76.1037 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(196, 132, 226)` looks like.

```
.text, #text, p{  
    color:rgb(196, 132, 226)  
}
```

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(196, 132, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 132, 226) }
```

Border

The CSS property to change the border of an element to XYZ 44.7437, 33.7293, 76.1037 is called "border". The border property can be set on classes, ids or directly on the HTML element.

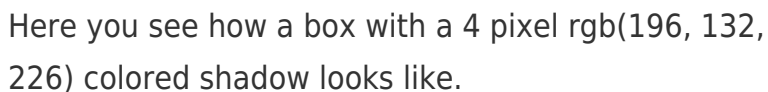
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 132, 226) }
```


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

```
.border{ border-color:rgb(196, 132, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 132, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 132, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 132, 226); box-shadow:4px 4px 4px 4px rgb(196, 132, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7437, 33.7293, 76.1037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 132, 226) }
```

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

```
.background{ background-color: rgb(196,  
132, 226) }
```

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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