

Converting Colors

XYZ(37.8918, 21.2895, 66.3019)

Have a look what the booklet for
XYZ(37.8918, 21.2895, 66.3019)
contains.

XYZ(37.9471, 21.3047, 66.4022)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.9471, 21.3047,
66.4022)**

Conversions

Conversions Part 1

Format	Color
Hex	C745D7
RGB	199, 69, 215
RGB Percent	78%, 27%, 84%
CMY	0.2196, 0.7294, 0.1569
CMYK	0.07, 0.68, 0.00, 0.16
HSL	293°, 65%, 56%
HSV	293°, 68%, 84%
XYZ	37.9471, 21.3047, 66.4022
YIQ	124.5140, 30.6140, 72.9660

Conversions

Conversions Part 2

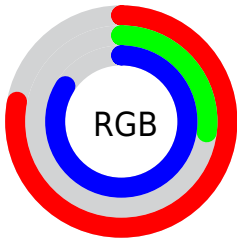
Format	Color
R_{YB}	199, 69, 215
Decimal	13059543
CIE _{Lab}	53.28, 69.54, -50.15
CIE _{LCh}	53, 85.743, 324.202
Yxy	21.3047, 0.3020, 0.1696
Android (android.graphics.Color)	4291249623 (0xFFC745D7)
YUV	124.5140, 44.6096, 65.3242
Hunter-Lab	46.1570, 65.9756, -52.9856

Details

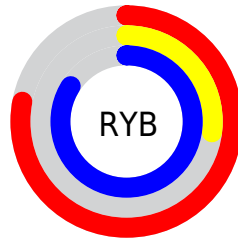
The XYZ color **37.9471, 21.3047, 66.4022** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **29.1216, 50.9624, 13.9330**, and the grayscale version is **19.1792, 20.1780, 21.9739**.

A 20% lighter version of the original color is **66.8794, 43.6587, 99.5098**, and **17.2425, 8.1659, 33.4683** is the 20% darker color. If you saturate the color by 10%, you get **36.2360, 18.8026, 66.0097**, and if you desaturate by 10%, it is **40.1485, 24.7714, 66.9556**.

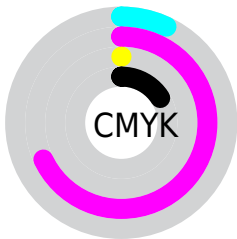
Distribution



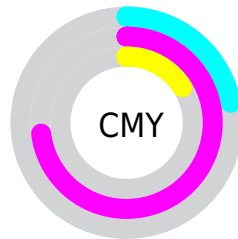
- Red (78%)
- Green (27%)
- Blue (84%)



- Red (78%)
- Yellow (27%)
- Blue (84%)



- Cyan (7%)
- Magenta (68%)
- Yellow (0%)
- Black (16%)





- Cyan (22%)
- Magenta (73%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9471, 21.3047, 66.4022 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 37.9471, 21.3047, 66.4022 by changing the saturation by 10% instead.


 37.9471, 21.3047,
66.4022


 37.9471, 21.3047,
66.4022

328.6778,
258.8934, 466.2573


 26.1187, 13.3469,
48.1404


 71.3315, 45.5941,
115.6959


 17.0456, 7.6679,
33.5773


 93.6181, 62.6945,
147.5649


 10.3625, 3.8832,
22.2944


 120.1215, 83.6112,
184.8068

 5.7041, 1.6084,
13.8730

 151.2071,
108.7286, 227.8400

 2.7049, 0.3633,
7.8946

 187.2401,
138.4312, 277.0831

 0.9997, 0.0000,
3.9408

228.5860,

 0.0000, 0.0000,

173.1032, 332.9547

1.5929

275.6101,
213.1292, 395.8732

■ 0.0000, 0.0000,
0.2858

■ 0.0000, 0.0000,
0.0000

■ 37.9471, 21.3047,
66.4022

■ 37.9471, 21.3047,
66.4022

■ 36.2360, 18.8026,
66.0097

■ 40.1485, 24.7714,
66.9556

■ 34.9579, 17.1531,
65.7587

■ 42.8841, 29.2929,
67.6842

■ 34.0361, 16.2019,
65.6237

■ 46.1958, 34.9521,
68.6020

■ 33.8625, 16.0398,
65.6016

■ 50.1205, 41.8227,
69.7213

■ 54.6921, 49.9725,
71.0534

■ 59.9419, 59.4640,
72.6088

■ 65.8993, 70.3558,
74.3971

■ 72.5916, 82.7029,
76.4276

■ 77.6035, 91.6742,
77.8951

Harmonies

Analogous

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



28.2747, 21.3047, 105.1019



37.9471, 21.3047, 66.4022



43.0317, 21.3047, 28.6185

Triad

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



37.9471, 21.3047, 66.4022



22.0632, 21.3047, 0.4586



8.1429, 21.3047, 50.2932

Complementary

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



37.9471, 21.3047, 66.4022



29.1216, 50.9624, 13.9330

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.



7.3813, 21.3047, 18.5078



37.9471, 21.3047, 66.4022



13.9076, 21.3047, 0.9548

Square

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



37.9471, 21.3047, 66.4022



32.2615, 21.3047, 1.6917



9.1411, 21.3047, 4.5291



11.6645, 21.3047, 91.8807

Rectangle

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



37.9471, 21.3047, 66.4022



42.3022, 21.3047, 12.9732



9.1411, 21.3047, 4.5291



7.6102, 21.3047, 37.7378

Sweetspot

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



37.9480, 21.3056, 66.4027



78.8565, 70.6211, 104.0828



18.0513, 12.8335, 65.8160



16.4623, 14.3723, 22.1564



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.



37.9480, 21.3056, 66.4027



52.5229, 26.5879, 96.9715



36.4141, 21.2085, 34.9916



12.8128, 12.5604, 15.6866



20.3092, 9.6223, 39.2400



1.2641, 0.6006, 2.3686

Inverse Universe

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



31.7928, 19.3600, 10.6564



43.4555, 23.8669, 8.2919



30.4550, 51.3465, 27.6978



12.4780, 12.4427, 13.1916



16.8771, 8.6872, 1.3910



1.0370, 0.5316, 0.1844

Previews

White Background



This preview shows how the XYZ color 37.9471, 21.3047, 66.4022 looks on a white background.

Color Contrast Check

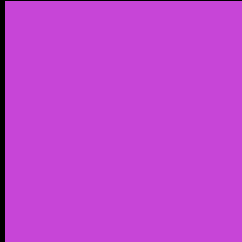
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.9471, 21.3047, 66.4022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

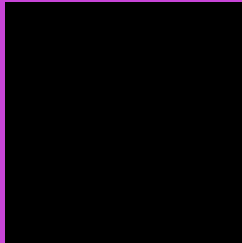
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.9471, 21.3047, 66.4022

Background



This preview shows how black text looks on a background with the XYZ color 37.9471, 21.3047, 66.4022.



This preview shows how white text looks on a background with the XYZ color 37.9471, 21.3047,

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

37.9471, 21.3047, 66.4022

Protanopia

25.9323, 21.7980, 97.4484

Deuteranopia

22.2183, 21.6400, 60.7635



Tritanopia

27.9144, 21.2654, 17.3852

Trichromacy



Original Color

37.9471, 21.3047, 66.4022



Protanomaly

25.5082, 18.5332, 84.6709



Deuteranomaly

25.2238, 19.4788, 62.7519



Tritanomaly

30.5722, 20.6967, 30.4005

Monochromacy



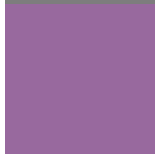
Original Color

37.9471, 21.3047, 66.4022



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

24.1720, 19.2472, 34.7888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9471, 21.3047, 66.4022 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(199, 69, 215)` looks like.

```
.text, #text, p{  
    color:rgb(199, 69, 215)  
}
```

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(199, 69, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 69, 215) }
```

Border

The CSS property to change the border of an element to XYZ 37.9471, 21.3047, 66.4022 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(199, 69, 215) }
```


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

```
.border{ border-color:rgb(199, 69, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 69, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 69, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 69, 215);  
box-shadow:4px 4px 4px 4px rgb(199, 69,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9471, 21.3047, 66.4022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 69, 215) }
```

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

```
.background{ background-color: rgb(199, 69,  
215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor