

Converting Colors

XYZ(37.5355, 20.5643, 69.9248)

Have a look what the booklet for
XYZ(37.5355, 20.5643, 69.9248)
contains.

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Color

**XYZ(37.5166, 20.5699,
69.7032)**

Conversions

Conversions Part 1

Format	Color
Hex	C440DC
RGB	196, 64, 220
RGB Percent	77%, 25%, 86%
CMY	0.2314, 0.7490, 0.1373
CMYK	0.11, 0.71, 0.00, 0.14
HSL	291°, 69%, 56%
HSV	291°, 71%, 86%
XYZ	37.5166, 20.5699, 69.7032
YIQ	121.2520, 28.5960, 76.5000

Conversions

Conversions Part 2

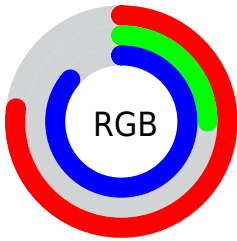
Format	Color
RYB	196, 64, 220
Decimal	12861660
CIELab	52.48, 71.62, -54.31
CIELCh	52, 89.883, 322.828
Yxy	20.5699, 0.2936, 0.1610
Android (android.graphics.Color)	4291051740 (0xFFC440DC)
YUV	121.2520, 48.6828, 65.5540
Hunter-Lab	45.3541, 68.2845, -59.3731

Details

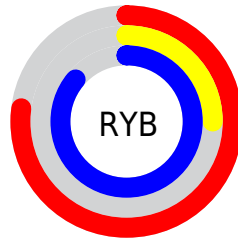
The XYZ color **37.5166, 20.5699, 69.7032** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **30.5438, 53.6318, 13.5935**, and the grayscale version is **18.0976, 19.0401, 20.7346**.

A 20% lighter version of the original color is **66.3730, 42.6459, 99.3410**, and **17.1821, 8.0836, 35.7767** is the 20% darker color. If you saturate the color by 10%, you get **35.6413, 18.1109, 69.3277**, and if you desaturate by 10%, it is **39.9024, 24.0189, 70.2435**.

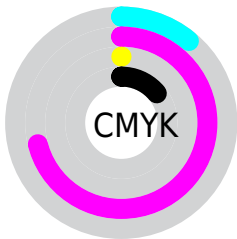
Distribution



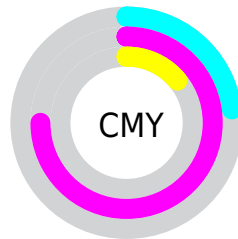
- Red (77%)
- Green (25%)
- Blue (86%)



- Red (77%)
- Yellow (25%)
- Blue (86%)



- Cyan (11%)
- Magenta (71%)
- Yellow (0%)
- Black (14%)





- Cyan (23%)
- Magenta (75%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5166, 20.5699, 69.7032 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 37.5166, 20.5699, 69.7032 by changing the saturation by 10% instead.

 37.5166, 20.5699,
69.7032


 37.5166, 20.5699,
69.7032


326.8586,
254.9838, 478.2681


 25.7832, 12.8100,
50.8093

 70.6753, 44.3706,
120.4625


 16.7934, 7.2978,
35.6812


 92.8313, 61.1802,
153.1651

 10.1817, 3.6490,
23.9003


 119.1923, 81.7751,
191.3075

 5.5828, 1.4792,
15.0482

 150.1235,
106.5398, 235.3085

 2.6313, 0.2741,
8.7062

 185.9904,
135.8586, 285.5865

 0.9619, 0.0000,
4.4559

227.1583,

 0.0000, 0.0000,

170.1160, 342.5601

1.8786

273.9926,
209.6962, 406.6478

■ 0.0000, 0.0000,
0.4791

■ 0.0000, 0.0000,
0.0000

■ 37.5166, 20.5699,
69.7032

■ 37.5166, 20.5699,
69.7032

■ 35.6413, 18.1109,
69.3277

■ 39.9024, 24.0189,
70.2435

■ 34.2126, 16.5164,
69.0953

■ 42.8478, 28.5581,
70.9644

■ 33.2057, 15.6258,
68.9764

■ 46.3985, 34.2783,
71.8814

■ 50.5951, 41.2600,
73.0078

■ 55.4742, 49.5766,
74.3559

■ 61.0700, 59.2960,
75.9370

■ 67.4139, 70.4812,
77.7616

■ 74.5358, 83.1916,
79.8396

■ 80.1877, 92.9310,
81.4216

Harmonies

Analogous

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



27.3317, 20.5699, 110.3663



37.5166, 20.5699, 69.7032



43.1669, 20.5699, 29.4102

Triad

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



37.5166, 20.5699, 69.7032



21.8670, 20.5699, 0.0906



7.2768, 20.5699, 48.6820

Complementary

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



37.5166, 20.5699, 69.7032



30.5438, 53.6318, 13.5935

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.



6.6445, 20.5699, 16.5982



37.5166, 20.5699, 69.7032



13.4079, 20.5699, 0.5336

Square

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



37.5166, 20.5699, 69.7032



32.4509, 20.5699, 1.3632



8.4928, 20.5699, 3.5267



10.6228, 20.5699, 92.8856

Rectangle

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



37.5166, 20.5699, 69.7032



42.6500, 20.5699, 12.8513



8.4928, 20.5699, 3.5267



6.7947, 20.5699, 35.7824

Sweetspot

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



37.5175, 20.5708, 69.7036



77.3155, 68.9343, 103.8384



18.6896, 13.5707, 69.3448



16.1229, 14.0241, 22.1071



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.



37.5175, 20.5708, 69.7036



48.7696, 24.0974, 96.6886



38.4172, 21.7104, 39.2126



13.4074, 13.1681, 16.4872



19.5647, 9.2102, 40.4850



1.3218, 0.6247, 2.6254

Inverse Universe

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



33.1107, 19.5878, 11.2692



43.0977, 23.1249, 8.2540



30.8607, 53.5379, 25.2316



13.1373, 13.0840, 13.9842



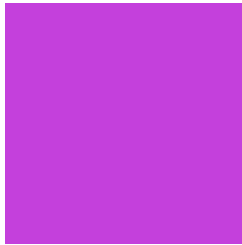
17.5163, 9.0076, 1.8328



1.1609, 0.5940, 0.2562

Previews

White Background



This preview shows how the XYZ color 37.5166, 20.5699, 69.7032 looks on a white background.

Color Contrast Check

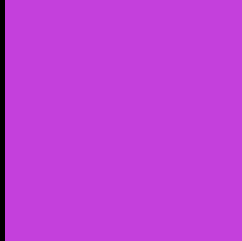
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.5166, 20.5699, 69.7032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

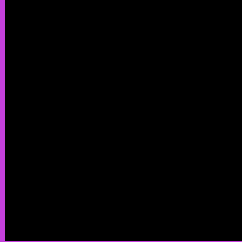
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.5166, 20.5699, 69.7032

Background



This preview shows how black text looks on a background with the XYZ color 37.5166, 20.5699, 69.7032.



This preview shows how white text looks on a background with the XYZ color 37.5166, 20.5699,

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

37.5166, 20.5699, 69.7032

Protanopia

25.2182, 21.0653, 97.3446

Deuteranopia

21.5480, 20.8401, 63.8596



Tritanopia

26.5677, 20.4306, 17.0112

Trichromacy



Original Color

37.5166, 20.5699, 69.7032



Protanomaly

24.3305, 17.4564, 86.0915



Deuteranomaly

24.0581, 18.2004, 65.8634



Tritanomaly

29.1642, 19.5885, 30.6776

Monochromacy



Original Color

37.5166, 20.5699, 69.7032



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

22.8557, 17.8446, 34.1380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5166, 20.5699, 69.7032 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, 64, 220)` looks like.

```
.text, #text, p{  
    color:rgb(196, 64, 220)  
}
```

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, 64, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 64, 220) }
```

Border

The CSS property to change the border of an element to XYZ 37.5166, 20.5699, 69.7032 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, 64, 220) }
```


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

```
.border{ border-color:rgb(196, 64, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 64, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 64, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 64, 220);  
box-shadow:4px 4px 4px 4px rgb(196, 64,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5166, 20.5699, 69.7032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 64, 220) }
```

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

```
.background{ background-color: rgb(196, 64,  
220) }
```

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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