

Converting Colors

XYZ(37.8339, 24.3068, 60.4550)

Have a look what the booklet for
XYZ(37.8339, 24.3068, 60.4550)
contains.

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Color

**XYZ(37.8766, 24.3280,
60.4571)**

Conversions

Conversions Part 1

Format	Color
Hex	C45FCD
RGB	196, 95, 205
RGB Percent	77%, 37%, 80%
CMY	0.2314, 0.6274, 0.1961
CMYK	0.04, 0.54, 0.00, 0.20
HSL	295°, 52%, 59%
HSV	295°, 54%, 80%
XYZ	37.8766, 24.3280, 60.4571
YIQ	137.7390, 24.8860, 55.6220

Conversions

Conversions Part 2

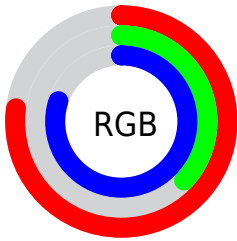
Format	Color
R_{YB}	196, 95, 205
Decimal	12869581
CIE _{Lab}	56.41, 55.81, -39.53
CIE _{LCh}	56, 68.393, 324.690
Yxy	24.3280, 0.3088, 0.1983
Android (android.graphics.Color)	4291059661 (0xFFC45FCD)
YUV	137.7390, 33.1597, 51.0949
Hunter-Lab	49.3234, 50.7583, -38.1470

Details

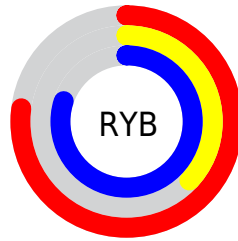
The XYZ color **37.8766, 24.3280, 60.4571** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **29.6067, 47.4326, 18.4226**, and the grayscale version is **23.9303, 25.1765, 27.4172**.

A 20% lighter version of the original color is **70.1963, 50.2927, 100.6154**, and **17.0458, 9.2285, 29.7370** is the 20% darker color. If you saturate the color by 10%, you get **35.8336, 20.8853, 59.9006**, and if you desaturate by 10%, it is **40.4121, 28.7469, 61.1768**.

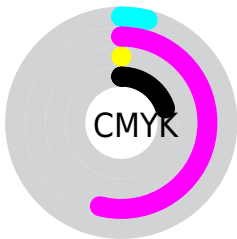
Distribution



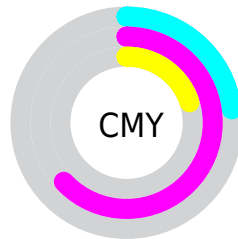
- Red (77%)
- Green (37%)
- Blue (80%)



- Red (77%)
- Yellow (37%)
- Blue (80%)



- Cyan (4%)
- Magenta (54%)
- Yellow (0%)
- Black (20%)



- Cyan (23%)
- Magenta (63%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8766, 24.3280, 60.4571 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 37.8766, 24.3280, 60.4571 by changing the saturation by 10% instead.

37.8766, 24.3280,
60.4571

37.8766, 24.3280,
60.4571

328.3803,
274.4746, 444.1319

26.0637, 15.5771,
43.3595

71.2241, 50.5649,
107.0423

17.0042, 9.2254,
29.8338

93.4894, 68.8197,
137.3670

10.3328, 4.8885,
19.4615

119.9695, 91.0113,
172.9378

5.6841, 2.1820,
11.8240

151.0299,
117.5241, 214.1732

2.6928, 0.7101,
6.5029

187.0358,
148.7424, 261.4917

0.9935, 0.0000,
3.0795

228.3526,

0.0000, 0.0000,

185.0506, 315.3120

1.1354

275.3456,
226.8332, 376.0526

■ 0.0000, 0.0000,
0.0000

■ 37.8766, 24.3280,
60.4571

■ 37.8766, 24.3280,
60.4571

■ 35.8336, 20.8853,
59.9006

■ 40.4121, 28.7469,
61.1768

■ 34.2413, 18.3377,
59.4928

■ 43.4721, 34.2084,
62.0696

■ 33.0557, 16.5962,
59.2192

■ 47.0892, 40.7767,
63.1468

■ 32.2224, 15.5520,
59.0615

■ 51.2924, 48.5100,
64.4180

■ 31.8149, 15.1282,
59.0012

■ 56.1089, 57.4624,
65.8921

■ 61.5638, 67.6845,
67.5776

■ 67.6813, 79.2241,
69.4826

■ 73.1927, 89.5443,
71.1841

■ 73.6711, 89.7909,
71.2065

Harmonies

Analogous

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



30.0709, 24.3280, 88.9912



37.8766, 24.3280, 60.4571



41.7996, 24.3280, 30.7252

Triad

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



37.8766, 24.3280, 60.4571



24.5584, 24.3280, 2.4880



11.8798, 24.3280, 49.1503

Complementary

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



37.8766, 24.3280, 60.4571



29.6067, 47.4326, 18.4226

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.



11.0503, 24.3280, 22.6613



37.8766, 24.3280, 60.4571



17.3373, 24.3280, 3.3569

Square

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



37.8766, 24.3280, 60.4571



33.0681, 24.3280, 4.4793



12.8051, 24.3280, 8.4538



15.4033, 24.3280, 80.2572

Rectangle

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



37.8766, 24.3280, 60.4571



41.1624, 24.3280, 16.9125



12.8051, 24.3280, 8.4538



11.3163, 24.3280, 39.1325

Sweetspot

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



37.8775, 24.3291, 60.4576



82.1698, 76.0468, 104.9554



20.7069, 16.7761, 59.9047



17.2744, 15.6997, 22.3698



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.



37.8775, 24.3291, 60.4576



58.3570, 33.6547, 98.0280



35.5424, 23.6736, 35.5741



11.5935, 11.3553, 14.1511



19.8444, 9.4377, 36.7320



1.0511, 0.5010, 1.8962

Inverse Universe

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



31.7686, 22.1641, 15.7015



47.6075, 29.9027, 16.6683



31.3469, 48.0143, 32.7511



11.2490, 11.2283, 11.8456



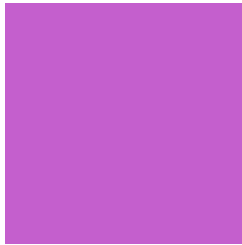
15.7498, 8.1105, 1.1354



0.8257, 0.4237, 0.1281

Previews

White Background



This preview shows how the XYZ color 37.8766, 24.3280, 60.4571 looks on a white background.

Color Contrast Check

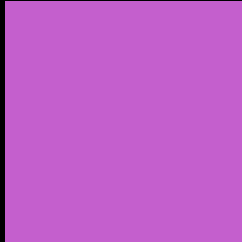
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.8766, 24.3280, 60.4571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

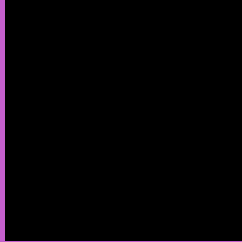
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.8766, 24.3280, 60.4571

Background



This preview shows how black text looks on a background with the XYZ color 37.8766, 24.3280, 60.4571.



This preview shows how white text looks on a background with the XYZ color 37.8766, 24.3280,

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

37.8766, 24.3280, 60.4571

Protanopia

27.6144, 24.7018, 84.2014

Deuteranopia

25.2874, 24.7202, 56.8648



Tritanopia

30.1332, 24.3851, 22.1874

Trichromacy



Original Color

37.8766, 24.3280, 60.4571



Protanomaly

29.0767, 23.1967, 74.8964



Deuteranomaly

28.2436, 23.3127, 58.2695



Tritanomaly

32.3475, 23.9722, 33.0592

Monochromacy



Original Color

37.8766, 24.3280, 60.4571



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

27.7792, 23.8986, 37.3312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8766, 24.3280, 60.4571 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, 95, 205)` looks like.

```
.text, #text, p{  
    color:rgb(196, 95, 205)  
}
```

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, 95, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 95, 205) }
```

Border

The CSS property to change the border of an element to XYZ 37.8766, 24.3280, 60.4571 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, 95, 205) }
```


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

```
.border{ border-color:rgb(196, 95, 205) }
```

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

Here you see how a box with a 4 pixel rgb(196, 95, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 95, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 95, 205);  
box-shadow:4px 4px 4px 4px rgb(196, 95,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8766, 24.3280, 60.4571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 95, 205) }
```

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

```
.background{ background-color: rgb(196, 95,  
205) }
```

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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