

Converting Colors

XYZ(35.6474, 20.1537, 45.0183)

Have a look what the booklet for
XYZ(35.6474, 20.1537, 45.0183)
contains.

XYZ(35.8037, 20.2275, 45.1972)	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(35.8037, 20.2275,
45.1972)**

Conversions

Conversions Part 1

Format	Color
Hex	CF40B4
RGB	207, 64, 180
RGB Percent	81%, 25%, 71%
CMY	0.1882, 0.7490, 0.2941
CMYK	0.00, 0.69, 0.13, 0.19
HSL	311°, 60%, 53%
HSV	311°, 69%, 81%
XYZ	35.8037, 20.2275, 45.1972
YIQ	119.9810, 47.9920, 66.3920

Conversions

Conversions Part 2

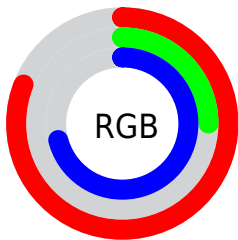
Format	Color
R_{YB}	207, 64, 180
Decimal	13582516
CIE _{Lab}	52.09, 67.60, -31.79
CIE _{LCh}	52, 74.700, 334.813
Yxy	20.2275, 0.3537, 0.1998
Android (android.graphics.Color)	4291772596 (0xFFCF40B4)
YUV	119.9810, 29.5894, 76.3157
Hunter-Lab	44.9750, 63.3941, -28.1004

Details

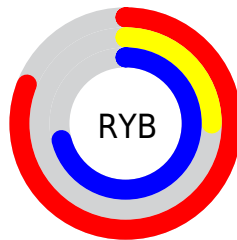
The XYZ color **35.8037, 20.2275, 45.1972** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **26.3165, 46.4717, 17.4823**, and the grayscale version is **17.7455, 18.6696, 20.3312**.

A 20% lighter version of the original color is **63.4633, 41.4820, 84.0188**, and **16.2252, 7.9219, 20.7526** is the 20% darker color. If you saturate the color by 10%, you get **34.4530, 18.1539, 42.8101**, and if you desaturate by 10%, it is **37.6000, 23.1735, 47.7886**.

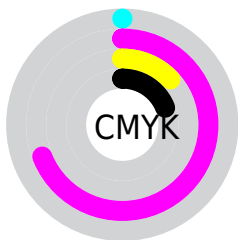
Distribution



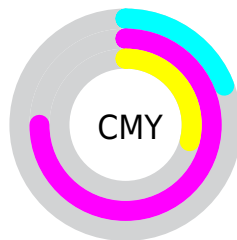
- Red (81%)
- Green (25%)
- Blue (71%)



- Red (81%)
- Yellow (25%)
- Blue (71%)



- Cyan (0%)
- Magenta (69%)
- Yellow (13%)
- Black (19%)





- Cyan (19%)
- Magenta (75%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8037, 20.2275, 45.1972 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 35.8037, 20.2275, 45.1972 by changing the saturation by 10% instead.

 35.8037, 20.2275,
45.1972


 35.8037, 20.2275,
45.1972

319.5480,
253.1441, 383.7550

 24.4520, 12.5605,
31.2687


 68.0548, 43.7983,
84.3378


 15.7958, 7.1266,
20.5434


 89.6850, 60.4709,
110.3871


 9.4697, 3.5414,
12.6026


 115.4721, 80.9141,
141.3136

 5.1084, 1.4205,
7.0280

 145.7813,
105.5124, 177.5360

 2.3464, 0.2318,
3.4009

 180.9782,
134.6502, 219.4728

 0.8182, 0.0000,
1.3028

221.4280,

 0.0000, 0.0000,

168.7118, 267.5425

0.0641

267.4962,
208.0816, 322.1638

■ 0.0000, 0.0000,
0.0000

■ 35.8037, 20.2275,
45.1972

■ 35.8037, 20.2275,
45.1972

■ 34.4530, 18.1539,
42.8101

■ 37.6000, 23.1735,
47.7886

■ 33.4949, 16.8484,
40.6087

■ 39.8830, 27.0750,
50.5979

■ 32.8465, 16.1443,
38.5649

■ 42.6911, 32.0085,
53.6385

■ 32.7922, 16.0894,
38.3811

■ 46.0585, 38.0423,
56.9223

■ 50.0164, 45.2384,
60.4600

■ 54.5935, 53.6544,
64.2618

■ 59.8170, 63.3442,
68.3370

■ 65.7120, 74.3582,
72.6945

■ 72.3025, 86.7441,
77.3426

Harmonies

Analogous

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



28.8829, 20.2275, 77.7110



35.8037, 20.2275, 45.1972



37.8766, 20.2275, 18.6816

Triad

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



35.8037, 20.2275, 45.1972



18.0200, 20.2275, 1.0795



9.5166, 20.2275, 55.7998

Complementary

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



35.8037, 20.2275, 45.1972



26.3165, 46.4717, 17.4823

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.



7.9942, 20.2275, 25.7437



35.8037, 20.2275, 45.1972



12.0038, 20.2275, 2.3995

Square

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



35.8037, 20.2275, 45.1972



26.1737, 20.2275, 1.6814



8.7664, 20.2275, 8.5405



13.6308, 20.2275, 86.1771

Rectangle

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



35.8037, 20.2275, 45.1972



35.8649, 20.2275, 8.6731



8.7664, 20.2275, 8.5405



8.7425, 20.2275, 44.7977

Sweetspot

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



35.8044, 20.2285, 45.1976



78.6961, 69.8292, 95.6277



17.3346, 10.3576, 60.1174



16.4566, 14.2403, 20.1256



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.



35.8044, 20.2285, 45.1976



54.3870, 27.9214, 66.8369



30.3420, 18.0436, 16.4333



12.2111, 11.9692, 14.3873



20.6935, 10.1502, 24.3557



1.1824, 0.5777, 1.4951

Inverse Universe

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



35.8044, 20.2285, 45.1976



54.3870, 27.9214, 66.8369



30.9245, 48.3149, 41.7477



12.2111, 11.9692, 14.3873



20.6935, 10.1502, 24.3557



1.1824, 0.5777, 1.4951

Previews

White Background



This preview shows how the XYZ color 35.8037, 20.2275, 45.1972 looks on a white background.

Color Contrast Check

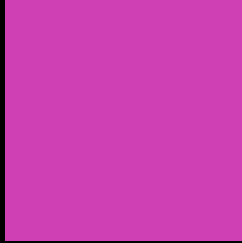
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.8037, 20.2275, 45.1972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

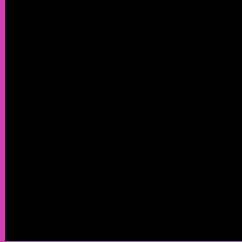
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.8037, 20.2275, 45.1972

Background



This preview shows how black text looks on a background with the XYZ color 35.8037, 20.2275, 45.1972.



This preview shows how white text looks on a background with the XYZ color 35.8037, 20.2275,

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

35.8037, 20.2275, 45.1972

Protanopia

23.5788, 20.6715, 76.8760

Deuteranopia

20.8641, 20.4212, 41.3701



Tritanopia

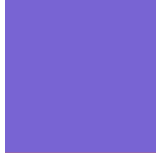
29.3207, 20.2990, 13.4391

Trichromacy



Original Color

35.8037, 20.2275, 45.1972



Protanomaly

24.0608, 17.8106, 63.7977



Deuteranomaly

24.0684, 18.5785, 42.3619



Tritanomaly

31.1303, 19.9737, 22.2932

Monochromacy



Original Color

35.8037, 20.2275, 45.1972



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

22.3886, 17.7427, 27.8359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8037, 20.2275, 45.1972 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(207, 64, 180)` looks like.

```
.text, #text, p{  
    color:rgb(207, 64, 180)  
}
```

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(207, 64, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 64, 180) }
```

Border

The CSS property to change the border of an element to XYZ 35.8037, 20.2275, 45.1972 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(207, 64, 180) }
```


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

```
.border{ border-color:rgb(207, 64, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 64, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 64, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 64, 180);  
box-shadow:4px 4px 4px 4px rgb(207, 64,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8037, 20.2275, 45.1972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 64, 180) }
```

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

```
.background{ background-color: rgb(207, 64,  
180) }
```

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