

Converting Colors

XYZ(35.3546, 21.9774, 73.2901)

Have a look what the booklet for
XYZ(35.3546, 21.9774, 73.2901)
contains.

XYZ(35.5231, 22.0460, 73.6172)	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(35.5231, 22.0460,
73.6172)**

Conversions

Conversions Part 1

Format	Color
Hex	B259E1
RGB	178, 89, 225
RGB Percent	70%, 35%, 88%
CMY	0.3020, 0.6510, 0.1176
CMYK	0.21, 0.60, 0.00, 0.12
HSL	279°, 69%, 62%
HSV	279°, 60%, 88%
XYZ	35.5231, 22.0460, 73.6172
YIQ	131.1150, 9.3880, 61.1640

Conversions

Conversions Part 2

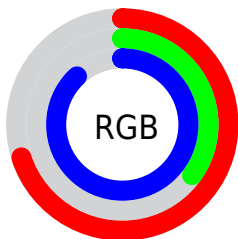
Format	Color
RYB	178, 89, 225
Decimal	11688417
CIELab	54.08, 58.11, -54.72
CIELCh	54, 79.816, 316.722
Yxy	22.0460, 0.2708, 0.1681
Android (android.graphics.Color)	4289878497 (0xFFB259E1)
YUV	131.1150, 46.2853, 41.1181
Hunter-Lab	46.9532, 52.8787, -60.0927

Details

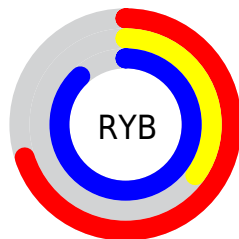
The XYZ color **35.5231, 22.0460, 73.6172** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **38.8823, 59.8064, 18.9464**, and the grayscale version is **21.4529, 22.5702, 24.5789**.

A 20% lighter version of the original color is **62.7975, 44.8694, 99.9586**, and **15.5904, 8.0172, 38.2619** is the 20% darker color. If you saturate the color by 10%, you get **32.1951, 17.9631, 73.0049**, and if you desaturate by 10%, it is **39.5260, 27.3267, 74.4259**.

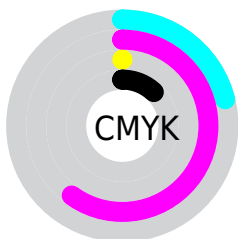
Distribution



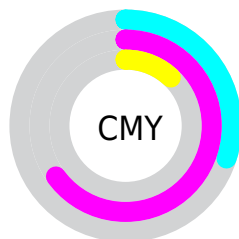
- Red (70%)
- Green (35%)
- Blue (88%)



- Red (70%)
- Yellow (35%)
- Blue (88%)



- Cyan (21%)
- Magenta (60%)
- Yellow (0%)
- Black (12%)





- Cyan (30%)
- Magenta (65%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.5231, 22.0460, 73.6172 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 35.5231, 22.0460, 73.6172 by changing the saturation by 10% instead.


 35.5231, 22.0460,
73.6172


 35.5231, 22.0460,
73.6172


318.3390,
262.7864, 492.2792

 24.2345, 13.8907,
53.9859


 67.6240, 46.8220,
126.0820


 15.6333, 8.0447,
38.1973


 89.1671, 64.2115,
159.7527

 9.3543, 4.1236,
25.8328


 114.8590, 85.4479,
198.9401

 5.0319, 1.7429,
16.4740

 145.0652,
110.9155, 244.0630

 2.3010, 0.4512,
9.7022

180.1509,
140.9988, 295.5398

 0.7952, 0.0000,
5.0989

220.4815,

 0.0000, 0.0000,

176.0821, 353.7890

2.2457

266.4224,
216.5498, 419.2293

■ 0.0000, 0.0000,
0.7005

■ 0.0000, 0.0000,
0.0000

■ 35.5231, 22.0460,
73.6172

■ 35.5231, 22.0460,
73.6172

■ 32.1951, 17.9631,
73.0049

■ 39.5260, 27.3267,
74.4259

■ 29.4836, 14.9666,
72.5694


■ 44.2500, 33.8978,
75.4453


■ 27.3236, 12.9278,
72.2898


■ 49.7398, 41.8458,
76.6900


■ 25.6672, 11.6620,
72.1327


■ 56.0357, 51.2485,
78.1731

 63.1747, 62.1782,
79.9065

 71.1916, 74.7019,
81.9013

 80.1189, 88.8828,
84.1679

 85.3563, 95.5178,
85.1726

 88.0560, 96.9096,
85.2989

Harmonies

Analogous

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



26.1060, 22.0460, 104.4702



35.5231, 22.0460, 73.6172



41.6353, 22.0460, 36.6728

Triad

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



35.5231, 22.0460, 73.6172



25.0056, 22.0460, 1.0926



8.7318, 22.0460, 40.4585

Complementary

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



35.5231, 22.0460, 73.6172



38.8823, 59.8064, 18.9464

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.



8.5885, 22.0460, 14.6517



35.5231, 22.0460, 73.6172



16.5289, 22.0460, 1.1897

Square

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



35.5231, 22.0460, 73.6172



34.5291, 22.0460, 3.3568



11.0380, 22.0460, 3.9313



11.5048, 22.0460, 77.9665

Rectangle

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



35.5231, 22.0460, 73.6172



42.1589, 22.0460, 18.8557



11.0380, 22.0460, 3.9313



8.4077, 22.0460, 30.0141

Sweetspot

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



35.5240, 22.0469, 73.6177



76.5182, 71.2447, 104.3264



26.6001, 25.3388, 74.7234



15.8130, 14.3926, 22.1946



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.



35.5240, 22.0469, 73.6177



41.5719, 22.4914, 96.7579



45.5955, 27.5415, 60.4183



13.8112, 13.6862, 17.3015



14.9208, 6.7873, 41.5720



1.1294, 0.5195, 2.8860

Inverse Universe

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



39.0682, 24.9306, 26.0461



47.6050, 27.1962, 24.9959



33.8276, 57.0876, 23.8181



13.9018, 13.7783, 15.2530



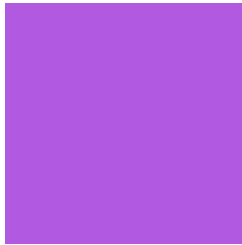
18.7303, 9.5591, 5.2453



1.3394, 0.6790, 0.5803

Previews

White Background



This preview shows how the XYZ color 35.5231, 22.0460, 73.6172 looks on a white background.

Color Contrast Check

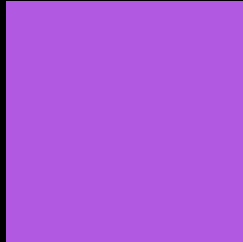
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.5231, 22.0460, 73.6172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

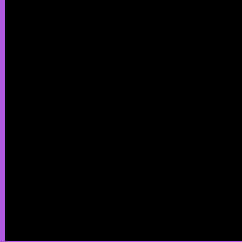
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.5231, 22.0460, 73.6172

Background



This preview shows how black text looks on a background with the XYZ color 35.5231, 22.0460, 73.6172.



This preview shows how white text looks on a background with the XYZ color 35.5231, 22.0460,

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

35.5231, 22.0460, 73.6172

Protanopia

26.6025, 22.5156, 97.5516

Deuteranopia

23.0328, 22.2771, 68.7316



Tritanopia

25.0275, 21.9103, 22.6487

Trichromacy



Original Color

35.5231, 22.0460, 73.6172



Protanomaly

26.8426, 20.5529, 88.1403



Deuteranomaly

25.3557, 20.6800, 70.3654



Tritanomaly

27.9277, 21.4489, 36.8505

Monochromacy



Original Color

35.5231, 22.0460, 73.6172



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

25.2497, 21.5033, 38.4171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5231, 22.0460, 73.6172 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(178, 89, 225)` looks like.

```
.text, #text, p{  
    color:rgb(178, 89, 225)  
}
```

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(178, 89, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 89, 225) }
```

Border

The CSS property to change the border of an element to XYZ 35.5231, 22.0460, 73.6172 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(178, 89, 225) }
```


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

```
.border{ border-color:rgb(178, 89, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 89, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 89, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 89, 225); box-shadow:4px 4px 4px 4px rgb(178, 89, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5231, 22.0460, 73.6172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 89, 225) }
```

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

```
.background{ background-color: rgb(178, 89,  
225) }
```

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