

Converting Colors

XYZ(35.4746, 21.8511, 42.0882)

Have a look what the booklet for
XYZ(35.4746, 21.8511, 42.0882)
contains.

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Color

**XYZ(35.4620, 21.8891,
41.8911)**

Conversions

Conversions Part 1

Format	Color
Hex	CC52AD
RGB	204, 82, 173
RGB Percent	80%, 32%, 68%
CMY	0.2000, 0.6784, 0.3216
CMYK	0.00, 0.60, 0.15, 0.20
HSL	315°, 54%, 56%
HSV	315°, 60%, 80%
XYZ	35.4620, 21.8891, 41.8911
YIQ	128.8520, 43.5010, 54.1650

Conversions

Conversions Part 2

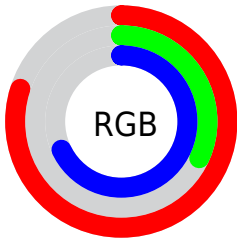
Format	Color
R_{YB}	204, 82, 173
Decimal	13390509
CIE _{Lab}	53.91, 58.62, -24.93
CIE _{LCh}	54, 63.700, 336.961
Yxy	21.8891, 0.3573, 0.2206
Android (android.graphics.Color)	4291580589 (0xFFCC52AD)
YUV	128.8520, 21.7650, 65.9048
Hunter-Lab	46.7858, 53.4217, -20.3371

Details

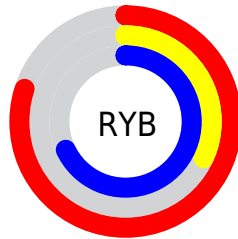
The XYZ color **35.4620, 21.8891, 41.8911** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **28.0543, 46.1727, 23.0583**, and the grayscale version is **20.7311, 21.8107, 23.7518**.

A 20% lighter version of the original color is **64.3285, 44.8085, 79.3872**, and **15.6391, 7.9917, 18.4876** is the 20% darker color. If you saturate the color by 10%, you get **33.6542, 19.0604, 38.8615**, and if you desaturate by 10%, it is **37.7479, 25.6421, 45.1765**.

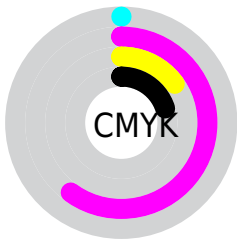
Distribution



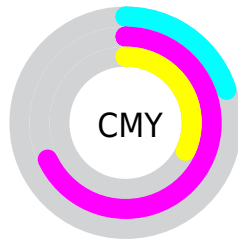
- Red (80%)
- Green (32%)
- Blue (68%)



- Red (80%)
- Yellow (32%)
- Blue (68%)



- Cyan (0%)
- Magenta (60%)
- Yellow (15%)
- Black (20%)



- Cyan (20%)
- Magenta (68%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4620, 21.8891, 41.8911 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 35.4620, 21.8891, 41.8911 by changing the saturation by 10% instead.

■ 35.4620, 21.8891,
41.8911

■ 35.4620, 21.8891,
41.8911

318.0753,
261.9666, 369.8176

■ 24.1872, 13.7754,
28.6911

■ 67.5302, 46.5626,
79.3031

■ 15.5980, 7.9646,
18.6037

■ 89.0542, 63.8913,
104.3522

■ 9.3292, 4.0723,
11.2104

■ 114.7254, 85.0604,
134.1880

■ 5.0153, 1.7141,
6.0926

■ 144.9090,
110.4544, 169.2291

■ 2.2911, 0.4328,
2.8317

179.9705,
140.4576, 209.8941

■ 0.7901, 0.0000,
1.0094

220.2751,

■ 0.0000, 0.0000,

175.4544, 256.6015

0.0000

266.1883,
215.8293, 309.7699

■ 35.4620, 21.8891,
41.8911

■ 35.4620, 21.8891,
41.8911

■ 33.6542, 19.0604,
38.8615

■ 37.7479, 25.6421,
45.1765

■ 32.2801, 17.0688,
36.0713

■ 40.5467, 30.3897,
48.7297

■ 31.2909, 15.8164,
33.5032

■ 43.8923, 36.1992,
52.5634

■ 30.5957, 15.1220,
31.1258

■ 47.8152, 43.1310,
56.6887

■ 30.5828, 15.1098,
31.0798

■ 52.3435, 51.2410,
61.1159

■ 57.5033, 60.5815,
65.8548

■ 63.3194, 71.2012,
70.9146

■ 69.8151, 83.1468,
76.3040

■ 73.5348, 89.5066,
80.8722

Harmonies

Analogous

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



29.7894, 21.8891, 68.5722



35.4620, 21.8891, 41.8911



36.8424, 21.8891, 19.5408

Triad

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



35.4620, 21.8891, 41.8911



19.2464, 21.8891, 2.5608



11.9427, 21.8891, 54.5387

Complementary

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



35.4620, 21.8891, 41.8911



28.0543, 46.1727, 23.0583

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.



10.2640, 21.8891, 28.7129



35.4620, 21.8891, 41.8911



13.8372, 21.8891, 4.5954

Square

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



35.4620, 21.8891, 41.8911



26.4075, 21.8891, 3.2301



10.8719, 21.8891, 11.8931



16.0567, 21.8891, 78.2602

Rectangle

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



35.4620, 21.8891, 41.8911



34.9202, 21.8891, 10.4784



10.8719, 21.8891, 11.8931



11.1214, 21.8891, 45.3988

Sweetspot

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



35.4627, 21.8902, 41.8915



80.2935, 73.4014, 94.9964



20.6635, 13.8732, 58.7160



16.7445, 14.9248, 19.8862



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.



35.4627, 21.8902, 41.8915



54.9464, 30.3886, 62.8668



30.8727, 20.0541, 17.7207



11.5610, 11.3531, 13.4890



19.2883, 9.5259, 19.7687



1.0246, 0.5032, 1.1753

Inverse Universe

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



35.4627, 21.8902, 41.8915



54.9464, 30.3886, 62.8668



32.6648, 48.0169, 47.3370



11.5610, 11.3531, 13.4890



19.2883, 9.5259, 19.7687



1.0246, 0.5032, 1.1753

Previews

White Background



This preview shows how the XYZ color 35.4620, 21.8891, 41.8911 looks on a white background.

Color Contrast Check

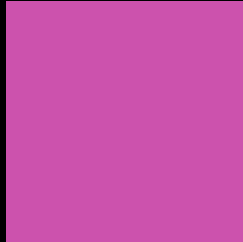
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.4620, 21.8891, 41.8911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

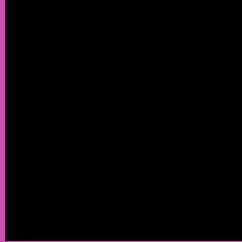
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.4620, 21.8891, 41.8911

Background



This preview shows how black text looks on a background with the XYZ color 35.4620, 21.8891, 41.8911.



This preview shows how white text looks on a background with the XYZ color 35.4620, 21.8891,

41.8911.

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

35.4620, 21.8891, 41.8911

Protanopia

24.1350, 22.3789, 63.3691

Deuteranopia

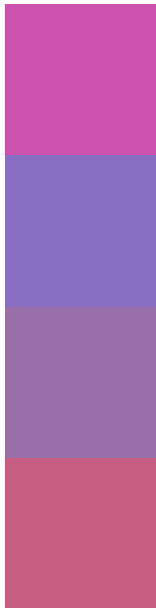
22.6407, 22.1429, 39.1571



Tritanopia

30.0893, 21.8346, 16.2643

Trichromacy



Original Color

35.4620, 21.8891, 41.8911

Protanomaly

25.9648, 20.6728, 54.8463

Deuteranomaly

25.7948, 20.9089, 40.2124

Tritanomaly

31.7630, 21.7198, 23.6373

Monochromacy



Original Color

35.4620, 21.8891, 41.8911

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

24.6153, 20.7006, 29.4863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4620, 21.8891, 41.8911 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(204, 82, 173)` looks like.

```
.text, #text, p{  
  color:rgb(204, 82, 173)  
}
```

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(204, 82, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 82, 173) }
```

Border

The CSS property to change the border of an element to XYZ 35.4620, 21.8891, 41.8911 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(204, 82, 173) }
```


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

```
.border{ border-color:rgb(204, 82, 173) }
```

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

Here you see how a box with a 4 pixel rgb(204, 82, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 82, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 82, 173);  
box-shadow:4px 4px 4px 4px rgb(204, 82,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4620, 21.8891, 41.8911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 82, 173) }
```

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

```
.background{ background-color: rgb(204, 82,  
173) }
```

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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