

Converting Colors

XYZ(35.6200, 27.8772, 71.3813)

Have a look what the booklet for
XYZ(35.6200, 27.8772, 71.3813)
contains.

XYZ(35.6890, 27.9815, 71.2301)	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(35.6890, 27.9815,
71.2301)**

Conversions

Conversions Part 1

Format	Color
Hex	A47EDC
RGB	164, 126, 220
RGB Percent	64%, 49%, 86%
CMY	0.3569, 0.5059, 0.1373
CMYK	0.25, 0.43, 0.00, 0.14
HSL	264°, 57%, 68%
HSV	264°, 43%, 86%
XYZ	35.6890, 27.9815, 71.2301
YIQ	148.0780, -7.5260, 37.2900

Conversions

Conversions Part 2

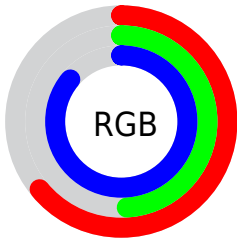
Format	Color
RYB	164, 126, 220
Decimal	10780380
CIELab	59.87, 33.68, -42.81
CIELCh	60, 54.469, 308.200
Yxy	27.9815, 0.2646, 0.2074
Android (android.graphics.Color)	4288970460 (0xFFA47EDC)
YUV	148.0780, 35.4575, 13.9636
Hunter-Lab	52.8975, 27.8600, -42.8097

Details

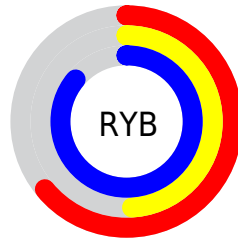
The XYZ color **35.6890, 27.9815, 71.2301** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **48.6510, 62.6383, 29.2658**, and the grayscale version is **28.0407, 29.5010, 32.1266**.

A 20% lighter version of the original color is **63.9889, 54.8324, 101.8189**, and **15.7157, 11.1642, 36.4486** is the 20% darker color. If you saturate the color by 10%, you get **30.6123, 21.6380, 70.2737**, and if you desaturate by 10%, it is **41.6651, 35.7080, 72.4070**.

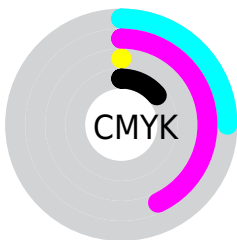
Distribution



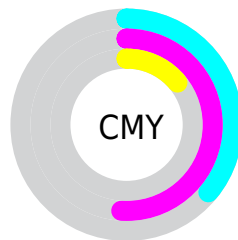
- Red (64%)
- Green (49%)
- Blue (86%)



- Red (64%)
- Yellow (49%)
- Blue (86%)



- Cyan (25%)
- Magenta (43%)
- Yellow (0%)
- Black (14%)



- Cyan (36%)
- Magenta (51%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6890, 27.9815, 71.2301 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 35.6890, 27.9815, 71.2301 by changing the saturation by 10% instead.

■ 35.6890, 27.9815,
71.2301

■ 35.6890, 27.9815,
71.2301

319.0542,
292.3785, 483.7627

■ 24.3631, 18.3117,
52.0470

■ 67.8788, 56.4549,
122.6588

■ 15.7294, 11.1740,
36.6600

■ 89.4734, 76.0273,
155.7415

■ 9.4225, 6.1840,
24.6507

■ 115.2216, 99.6694,
194.2945

■ 5.0771, 2.9573,
15.6003

145.4888,
127.7655, 238.7363

■ 2.3278, 1.1095,
9.0905

180.6402,
160.7001, 289.4855

■ 0.8088, 0.0000,
4.7026

221.0414,

■ 0.0000, 0.0000,

198.8575, 346.9606

2.0182

267.0576,
242.6222, 411.5802

■ 0.0000, 0.0000,
0.5664

■ 0.0000, 0.0000,
0.0000

■ 35.6890, 27.9815,
71.2301

■ 35.6890, 27.9815,
71.2301

■ 30.6123, 21.6380,
70.2737

■ 41.6651, 35.7080,
72.4070

■ 26.3825, 16.5878,
69.5219

■ 48.5827, 44.8928,
73.8152

■ 22.9458, 12.7356,
68.9595

■ 56.4849, 55.6096,
75.4673

■ 20.2401, 9.9709,
68.5684

■ 65.4111, 67.9262,
77.3742

■ 18.1918, 8.1610,
68.3271

■ 75.3984, 81.9060,
79.5462

■ 17.0323, 7.2882,
68.2197

■ 85.5164, 95.6780,
81.6711

■ 89.9184, 97.9473,
81.8772

Harmonies

Analogous

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



28.5363, 27.9815, 85.7941



35.6890, 27.9815, 71.2301



40.9406, 27.9815, 46.8993

Triad

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



35.6890, 27.9815, 71.2301



31.8423, 27.9815, 7.0314



15.4917, 27.9815, 36.2239

Complementary

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



35.6890, 27.9815, 71.2301



48.6510, 62.6383, 29.2658

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.



16.0667, 27.9815, 18.4061



35.6890, 27.9815, 71.2301



24.7449, 27.9815, 6.1897

Square

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



35.6890, 27.9815, 71.2301



38.4654, 27.9815, 12.4717



19.1950, 27.9815, 9.2778



17.4596, 27.9815, 60.5831

Rectangle

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



35.6890, 27.9815, 71.2301



42.2118, 27.9815, 31.6785



19.1950, 27.9815, 9.2778



15.4017, 27.9815, 29.2870

Sweetspot

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



35.6900, 27.9826, 71.2307



78.4755, 77.0879, 105.3511



38.3333, 43.2238, 74.0333



16.2475, 15.7500, 22.4337



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.



35.6900, 27.9826, 71.2307



43.6286, 31.2834, 98.3466



47.1293, 33.8798, 71.7661



12.8345, 12.8728, 16.4604



10.1146, 4.3384, 40.0427



0.7511, 0.3305, 2.5986

Inverse Universe

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



45.4202, 33.5156, 48.3315



59.2784, 40.1990, 60.7762



39.4160, 57.8776, 28.8336



13.3800, 13.1811, 15.2622



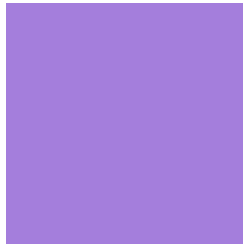
19.7854, 9.9152, 13.7821



1.3240, 0.6593, 1.1154

Previews

White Background



This preview shows how the XYZ color 35.6890, 27.9815, 71.2301 looks on a white background.

Color Contrast Check

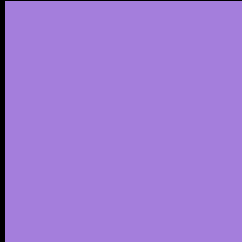
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.6890, 27.9815, 71.2301 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 35.6890, 27.9815, 71.2301

Background



This preview shows how black text looks on a background with the XYZ color 35.6890, 27.9815, 71.2301.



This preview shows how white text looks on a background with the XYZ color 35.6890, 27.9815,

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

35.6890, 27.9815, 71.2301

Protanopia

30.4172, 28.1211, 80.9155

Deuteranopia

28.9235, 28.2839, 68.9007



Tritanopia

28.1413, 27.9922, 33.6256

Trichromacy



Original Color

35.6890, 27.9815, 71.2301

Protanomaly

31.7098, 27.7989, 77.0932

Deuteranomaly

30.6760, 27.6469, 69.3652

Tritanomaly

30.4503, 27.8506, 45.3658

Monochromacy



Original Color

35.6890, 27.9815, 71.2301

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.3445, 28.6822, 43.9813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6890, 27.9815, 71.2301 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(164, 126, 220)` looks like.

```
.text, #text, p{  
    color:rgb(164, 126, 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(164, 126, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 126, 220) }
```

Border

The CSS property to change the border of an element to XYZ 35.6890, 27.9815, 71.2301 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(164, 126, 220) }
```


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

```
.border{ border-color:rgb(164, 126, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 126, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 126, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 126, 220);  
box-shadow:4px 4px 4px 4px rgb(164, 126,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6890, 27.9815, 71.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 126, 220) }
```

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

```
.background{ background-color: rgb(164,  
126, 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](#).

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