

Converting Colors

XYZ(47.4965, 36.2185, 79.2897)

Have a look what the booklet for
XYZ(47.4965, 36.2185, 79.2897)
contains.

XYZ(47.3160, 36.0220, 79.3220)	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(47.3160, 36.0220,
79.3220)**

Conversions

Conversions Part 1

Format	Color
Hex	C989E6
RGB	201, 137, 230
RGB Percent	79%, 54%, 90%
CMY	0.2118, 0.4627, 0.0980
CMYK	0.13, 0.40, 0.00, 0.10
HSL	281°, 65%, 72%
HSV	281°, 40%, 90%
XYZ	47.3160, 36.0220, 79.3220
YIQ	166.7380, 8.2910, 42.4910

Conversions

Conversions Part 2

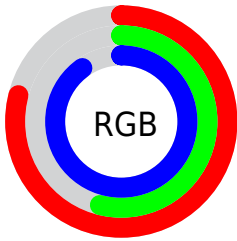
Format	Color
R _Y B	201, 137, 230
Decimal	13208038
CIE Lab	66.54, 40.51, -37.65
CIE LCh	67, 55.308, 317.092
Yxy	36.0220, 0.2909, 0.2215
Android (android.graphics.Color)	4291398118 (0xFFC989E6)
YUV	166.7380, 31.1882, 30.0478
Hunter-Lab	60.0183, 35.6900, -36.3466

Details

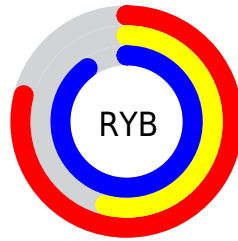
The XYZ color **47.3160, 36.0220, 79.3220** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **48.5391, 66.5076, 33.9474**, and the grayscale version is **36.4547, 38.3532, 41.7666**.

A 20% lighter version of the original color is **77.9208, 65.7416, 103.1903**, and **22.5655, 15.5727, 41.8609** is the 20% darker color. If you saturate the color by 10%, you get **42.5054, 29.1956, 78.2585**, and if you desaturate by 10%, it is **52.9160, 44.2914, 80.6236**.

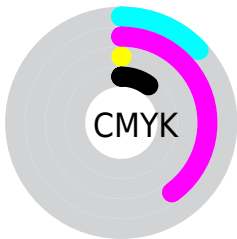
Distribution



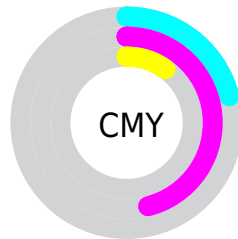
- Red (79%)
- Green (54%)
- Blue (90%)



- Red (79%)
- Yellow (54%)
- Blue (90%)



- Cyan (13%)
- Magenta (40%)
- Yellow (0%)
- Black (10%)



- Cyan (21%)
- Magenta (46%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3160, 36.0220, 79.3220 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 47.3160, 36.0220, 79.3220 by changing the saturation by 10% instead.

47.3160, 36.0220,
79.3220

47.3160, 36.0220,
79.3220

366.7023,
329.0567, 512.2914

33.4945, 24.4512,
58.6377

85.4010, 69.0660,
134.2148

22.6666, 15.6686,
41.9035

110.3952, 91.3080,
169.2605

14.4669, 9.2900,
28.7007

139.8444,
117.8759, 209.9303

8.5300, 4.9308,
18.6109

174.1139,
149.1540, 256.6429

4.4905, 2.2067,
11.2155

213.5691,
185.5267, 309.8167

1.9832, 0.7237,
6.0960

258.5754,

0.6245, 0.0000,

227.3785, 369.8704

2.8338

309.4980,
275.0937, 437.2224

■ 0.0000, 0.0000,
1.0104

■ 0.0000, 0.0000,
0.0000

■ 47.3160, 36.0220,
79.3220

■ 47.3160, 36.0220,
79.3220

■ 42.5054, 29.1956,
78.2585

■ 52.9160, 44.2914,
80.6236

■ 38.4345, 23.7178,
77.4157


■ 59.3435, 54.0815,
82.1745


■ 35.0534, 19.4897,
76.7778


■ 66.6385, 65.4694,
83.9881


■ 32.3039, 16.3965,
76.3257


■ 74.8373, 78.5260,
86.0761


 30.1167, 14.3018,
76.0366

 83.9738, 93.3176,
88.4497

 28.4389, 13.0108,
75.8759

 87.3631, 96.4724,
88.8800

 89.9009, 97.7807,
88.9987

 91.2830, 98.4932,
89.0634

Harmonies

Analogous

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



39.1487, 36.0220, 101.1829



47.3160, 36.0220, 79.3220



52.2801, 36.0220, 50.3501

Triad

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



47.3160, 36.0220, 79.3220



37.9302, 36.0220, 9.4004



21.1306, 36.0220, 54.2565

Complementary

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



47.3160, 36.0220, 79.3220



48.5391, 66.5076, 33.9474

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.



20.9127, 36.0220, 29.8674



47.3160, 36.0220, 79.3220



29.7558, 36.0220, 9.7378

Square

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



47.3160, 36.0220, 79.3220



46.3005, 36.0220, 14.3564



23.8232, 36.0220, 15.5987



24.4764, 36.0220, 83.1580

Rectangle

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



47.3160, 36.0220, 79.3220



52.6541, 36.0220, 33.8422



23.8232, 36.0220, 15.5987



20.7108, 36.0220, 45.1433

Sweetspot

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



47.3173, 36.0235, 79.3228



82.6295, 80.2416, 105.7409



38.3190, 38.4694, 80.2692



17.4184, 16.7546, 22.5659



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.



47.3173, 36.0235, 79.3228



54.3693, 37.8032, 99.0389



53.5837, 39.5172, 67.7218



14.5350, 14.3780, 18.1535



16.2316, 7.4336, 42.9625



1.2940, 0.5980, 3.1792

Inverse Universe

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



48.4628, 37.4689, 40.7556



56.3919, 40.1036, 42.3108



44.4514, 64.2476, 40.6534



14.5612, 14.4417, 15.8895



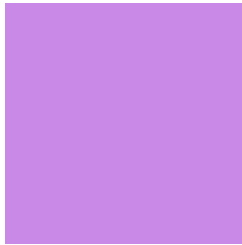
19.1806, 9.8064, 4.5799



1.4580, 0.7409, 0.5526

Previews

White Background



This preview shows how the XYZ color 47.3160, 36.0220, 79.3220 looks on a white background.

Color Contrast Check

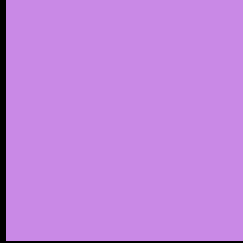
Large Text (above 18pt) WCAG AA × Fail

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 47.3160, 36.0220, 79.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

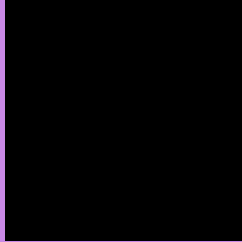
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3160, 36.0220, 79.3220

Background



This preview shows how black text looks on a background with the XYZ color 47.3160, 36.0220, 79.3220.

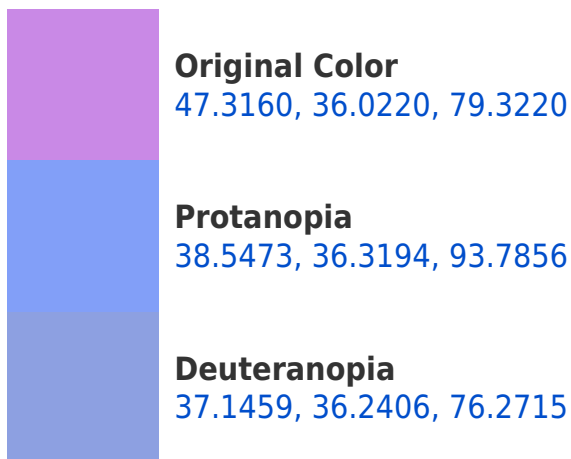


This preview shows how white text looks on a background with the XYZ color 47.3160, 36.0220,

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





Tritanopia

39.1633, 35.8539, 39.5067

Trichromacy



Original Color

47.3160, 36.0220, 79.3220



Protanomaly

40.6541, 35.5520, 87.9386



Deuteranomaly

40.1976, 35.7891, 77.4624



Tritanomaly

41.7542, 35.7477, 51.7130

Monochromacy



Original Color

47.3160, 36.0220, 79.3220



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

39.7731, 37.0783, 53.7758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3160, 36.0220, 79.3220 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(201, 137, 230)` looks like.

```
.text, #text, p{  
    color:rgb(201, 137, 230)  
}
```

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(201, 137, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 137, 230) }
```

Border

The CSS property to change the border of an element to XYZ 47.3160, 36.0220, 79.3220 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(201, 137, 230) }
```


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

```
.border{ border-color:rgb(201, 137, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 137, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 137, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 137, 230);  
box-shadow:4px 4px 4px 4px rgb(201, 137,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3160, 36.0220, 79.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 137, 230) }
```

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

```
.background{ background-color: rgb(201,  
137, 230) }
```

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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