

Converting Colors

XYZ(36.3717, 22.2297, 84.0362)

Have a look what the booklet for
XYZ(36.3717, 22.2297, 84.0362)
contains.

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Color

**XYZ(36.3859, 22.2610,
84.0404)**

Conversions

Conversions Part 1

Format	Color
Hex	AD59EF
RGB	173, 89, 239
RGB Percent	68%, 35%, 94%
CMY	0.3216, 0.6510, 0.0627
CMYK	0.28, 0.63, 0.00, 0.06
HSL	274°, 82%, 64%
HSV	274°, 63%, 94%
XYZ	36.3859, 22.2610, 84.0404
YIQ	131.2160, 1.9140, 64.4580

Conversions

Conversions Part 2

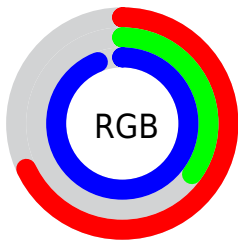
Format	Color
R_{YB}	173, 89, 239
Decimal	11360751
CIE Lab	54.30, 60.02, -62.25
CIE LCh	54, 86.472, 313.957
Yxy	22.2610, 0.2550, 0.1560
Android (android.graphics.Color)	4289550831 (0xFFAD59EF)
YUV	131.2160, 53.1375, 36.6446
Hunter-Lab	47.1816, 55.0895, -72.5810

Details

The XYZ color **36.3859, 22.2610, 84.0404** 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 **46.1877, 69.4233, 20.4175**, and the grayscale version is **21.4671, 22.5851, 24.5951**.

A 20% lighter version of the original color is **61.1512, 44.0207, 99.8816**, and **16.1898, 8.1781, 44.9812** is the 20% darker color. If you saturate the color by 10%, you get **32.4757, 17.7569, 83.3775**, and if you desaturate by 10%, it is **41.1264, 28.1516, 84.9280**.

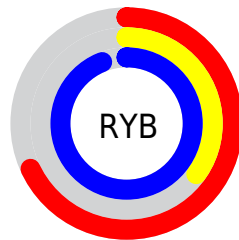
Distribution



Red (68%)

Green (35%)

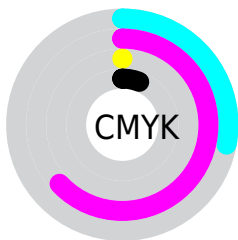
Blue (94%)



Red (68%)

Yellow (35%)

Blue (94%)

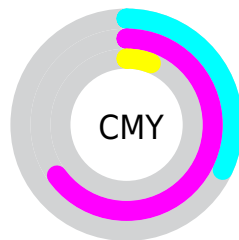


Cyan (28%)

Magenta (63%)

Yellow (0%)

Black (6%)



Cyan (32%)


Magenta (65%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3859, 22.2610, 84.0404 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 36.3859, 22.2610, 84.0404 by changing the saturation by 10% instead.


 36.3859, 22.2610,
84.0404


 36.3859, 22.2610,
84.0404


322.0460,
263.9063, 528.5089

 24.9039, 14.0488,
62.5032


 68.9473, 47.1770,
140.8939


 16.1338, 8.1546,
45.0010


 90.7573, 64.6496,
177.0473

 9.7103, 4.1940,
31.1153


 116.7407, 85.9778,
218.9099

 5.2681, 1.7827,
20.4274

 147.2629,
111.5459, 266.9002

 2.4418, 0.4764,
12.5190

182.6891,
141.7385, 321.4366

 0.8660, 0.0000,
6.9713

223.3848,

 0.0000, 0.0000,

176.9398, 382.9379

3.3660

269.7153,
217.5342, 451.8225

■ 0.0000, 0.0000,
1.2844

■ 0.0000, 0.0000,
0.0490

■ 36.3859, 22.2610,
84.0404

■ 36.3859, 22.2610,
84.0404

■ 32.4757, 17.7569,
83.3775

■ 41.1264, 28.1516,
84.9280

■ 29.3235, 14.5046,
82.9159

■ 46.7547, 35.5413,
86.0577

■ 26.8473, 12.3451,
82.6296

■ 53.3261, 44.5334,
87.4470

■ 25.3864, 11.2874,
82.5024

■ 60.8899, 55.2212,
89.1113

69.4919, 67.6908,
91.0648

79.1749, 82.0222,
93.3207

89.5617, 97.4560,
95.7522

92.5801, 99.0120,
95.8935

Harmonies

Analogous

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



25.8349, 22.2610, 117.4793



36.3859, 22.2610, 84.0404



43.7766, 22.2610, 41.5862

Triad

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



36.3859, 22.2610, 84.0404



26.5692, 22.2610, 0.7356



7.9987, 22.2610, 39.0270

Complementary

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



36.3859, 22.2610, 84.0404



46.1877, 69.4233, 20.4175

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.



8.0882, 22.2610, 12.5432



36.3859, 22.2610, 84.0404



17.0833, 22.2610, 0.6786

Square

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



36.3859, 22.2610, 84.0404



37.0591, 22.2610, 3.1182



10.9116, 22.2610, 2.7902



10.6145, 22.2610, 81.0192

Rectangle

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



36.3859, 22.2610, 84.0404



44.8606, 22.2610, 20.8318



10.9116, 22.2610, 2.7902



7.7444, 22.2610, 27.9976

Sweetspot

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



36.3869, 22.2618, 84.0409



74.0814, 69.0666, 104.0344



31.6730, 32.3017, 86.2273



15.2649, 13.9311, 22.1344



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.



36.3869, 22.2618, 84.0409



36.6316, 19.4999, 96.4409



53.6640, 31.2939, 79.1845



15.7441, 15.6653, 19.9155



14.1824, 6.3167, 45.5996



1.2940, 0.5843, 3.7988

Inverse Universe

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



45.0859, 27.8626, 34.0124



48.3966, 27.0336, 30.6421



37.1213, 64.7111, 21.7221



16.0617, 15.8744, 17.8812



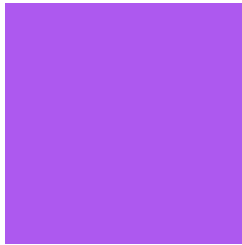
21.1485, 10.7318, 8.6987



1.8086, 0.9125, 0.9827

Previews

White Background



This preview shows how the XYZ color 36.3859, 22.2610, 84.0404 looks on a white background.

Color Contrast Check

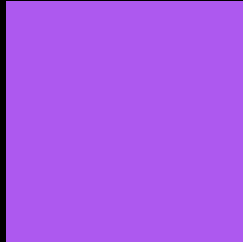
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.3859, 22.2610, 84.0404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

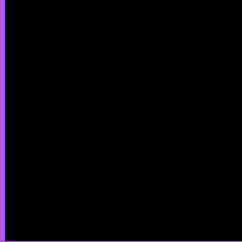
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.3859, 22.2610, 84.0404

Background



This preview shows how black text looks on a background with the XYZ color 36.3859, 22.2610, 84.0404.



This preview shows how white text looks on a background with the XYZ color 36.3859, 22.2610,

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

36.3859, 22.2610, 84.0404

Protanopia

26.7298, 22.7701, 97.5940

Deuteranopia

23.3335, 22.6278, 78.0007



Tritanopia

24.1931, 22.1565, 24.1206

Trichromacy



Original Color

36.3859, 22.2610, 84.0404



Protanomaly

27.5182, 20.9770, 92.2211



Deuteranomaly

24.8839, 20.4002, 79.7169



Tritanomaly

27.4223, 21.4166, 40.7187

Monochromacy



Original Color

36.3859, 22.2610, 84.0404



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

25.3552, 21.5041, 40.8445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3859, 22.2610, 84.0404 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(173, 89, 239)` looks like.

```
.text, #text, p{  
  color:rgb(173, 89, 239)  
}
```

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(173, 89, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 89, 239) }
```

Border

The CSS property to change the border of an element to XYZ 36.3859, 22.2610, 84.0404 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(173, 89, 239) }
```


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

```
.border{ border-color:rgb(173, 89, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 89, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 89, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 89, 239); box-shadow:4px 4px 4px 4px rgb(173, 89, 239) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3859, 22.2610, 84.0404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 89, 239) }
```

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

```
.background{ background-color: rgb(173, 89,  
239) }
```

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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