

Converting Colors

XYZ(36.5211, 22.3434, 84.0497)

Have a look what the booklet for
XYZ(36.5211, 22.3434, 84.0497)
contains.

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Color

**XYZ(36.6079, 22.3754,
84.0508)**

Conversions

Conversions Part 1

Format	Color
Hex	AE59EF
RGB	174, 89, 239
RGB Percent	68%, 35%, 94%
CMY	0.3176, 0.6510, 0.0627
CMYK	0.27, 0.63, 0.00, 0.06
HSL	274°, 82%, 64%
HSV	274°, 63%, 94%
XYZ	36.6079, 22.3754, 84.0508
YIQ	131.5150, 2.5100, 64.6700

Conversions

Conversions Part 2

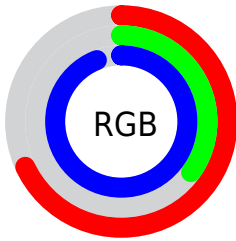
Format	Color
RYB	174, 89, 239
Decimal	11426287
CIELab	54.42, 60.24, -62.05
CIELCh	54, 86.480, 314.153
Yxy	22.3754, 0.2559, 0.1564
Android (android.graphics.Color)	4289616367 (0xFFAE59EF)
YUV	131.5150, 52.9901, 37.2593
Hunter-Lab	47.3026, 55.3630, -72.2390

Details

The XYZ color **36.6079, 22.3754, 84.0508** 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 **45.9964, 69.3247, 20.4085**, and the grayscale version is **21.5740, 22.6975, 24.7176**.

A 20% lighter version of the original color is **61.4767, 44.1886, 99.8968**, and **16.3235, 8.2470, 44.9875** is the 20% darker color. If you saturate the color by 10%, you get **32.7132, 17.8794, 83.3887**, and if you desaturate by 10%, it is **41.3277, 28.2554, 84.9374**.

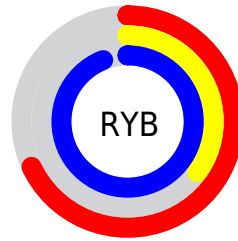
Distribution



Red (68%)

Green (35%)

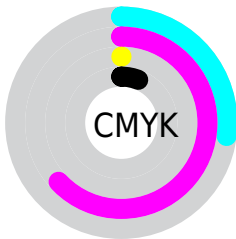
Blue (94%)



Red (68%)

Yellow (35%)

Blue (94%)

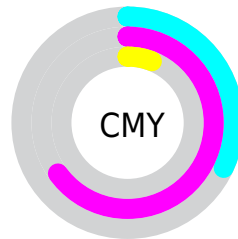


Cyan (27%)

Magenta (63%)

Yellow (0%)

Black (6%)



Cyan (32%)


Magenta (65%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6079, 22.3754, 84.0508 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 36.6079, 22.3754, 84.0508 by changing the saturation by 10% instead.


 36.6079, 22.3754,
84.0508


 36.6079, 22.3754,
84.0508


322.9949,
264.5005, 528.5444


 25.0763, 14.1330,
62.5117


 69.2871, 47.3657,
140.9086


 16.2630, 8.2132,
45.0079

 91.1654, 64.8823,
177.0644

 9.8025, 4.2317,
31.1206


 117.2233, 86.2592,
218.9296

 5.3294, 1.8040,
20.4315

 147.8263,
111.8807, 266.9226

 2.4786, 0.4897,
12.5219

183.3395,
142.1311, 321.4621

 0.8845, 0.0000,
6.9733

224.1285,

 0.0000, 0.0000,

177.3950, 382.9665

3.3672

270.5585,
218.0567, 451.8544

■ 0.0000, 0.0000,
1.2851

■ 0.0000, 0.0000,
0.0495

■ 36.6079, 22.3754,
84.0508

■ 36.6079, 22.3754,
84.0508

■ 32.7132, 17.8794,
83.3887

■ 41.3277, 28.2554,
84.9374

■ 29.5717, 14.6325,
82.9275

■ 46.9300, 35.6316,
86.0659

■ 27.1014, 12.4761,
82.6415

■ 53.4699, 44.6074,
87.4537

■ 25.6421, 11.4192,
82.5144

■ 60.9965, 55.2761,
89.1163

69.5555, 67.7235,
91.0677

79.1894, 82.0295,
93.3213

89.5211, 97.4351,
95.7504

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.



26.0286, 22.3754, 117.7263



36.6079, 22.3754, 84.0508



43.9836, 22.3754, 41.5217

Triad

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



36.6079, 22.3754, 84.0508



26.6267, 22.3754, 0.7438



8.0626, 22.3754, 39.4376

Complementary

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



36.6079, 22.3754, 84.0508



45.9964, 69.3247, 20.4085

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.



8.1356, 22.3754, 12.7335



36.6079, 22.3754, 84.0508



17.1250, 22.3754, 0.6976

Square

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



36.6079, 22.3754, 84.0508



37.1561, 22.3754, 3.1165



10.9520, 22.3754, 2.8484



10.7098, 22.3754, 81.5917

Rectangle

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



36.6079, 22.3754, 84.0508



45.0357, 22.3754, 20.7838



10.9520, 22.3754, 2.8484



7.8014, 22.3754, 28.3313

Sweetspot

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



36.6089, 22.3762, 84.0513



74.1874, 69.1213, 104.0394



31.2560, 31.4678, 86.0883



15.2905, 13.9443, 22.1356



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.



36.6089, 22.3762, 84.0513



36.9105, 19.6437, 96.4540



53.3123, 31.1532, 77.3325



15.7546, 15.6707, 19.9160



14.3236, 6.3895, 45.6062



1.3054, 0.5902, 3.7993

Inverse Universe

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



45.0021, 27.8291, 33.5716



48.2963, 26.9934, 30.1137



37.2390, 64.7582, 22.3419



16.0572, 15.8726, 17.8574



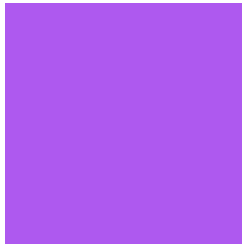
21.1032, 10.7137, 8.4598



1.8046, 0.9109, 0.9618

Previews

White Background



This preview shows how the XYZ color 36.6079, 22.3754, 84.0508 looks on a white background.

Color Contrast Check

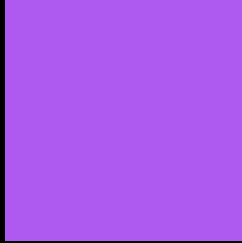
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.6079, 22.3754, 84.0508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

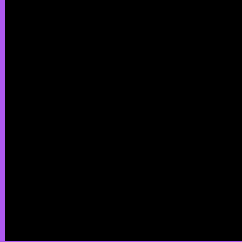
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.6079, 22.3754, 84.0508

Background



This preview shows how black text looks on a background with the XYZ color 36.6079, 22.3754, 84.0508.

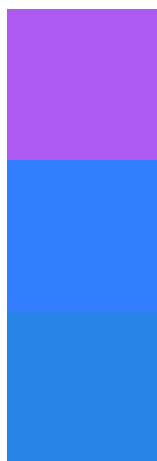


This preview shows how white text looks on a background with the XYZ color 36.6079, 22.3754,

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

36.6079, 22.3754, 84.0508

Protanopia

26.8262, 22.8198, 97.5985

Deuteranopia

23.4093, 22.6668, 78.0042



Tritanopia

24.3842, 22.2550, 24.1296

Trichromacy



Original Color

36.6079, 22.3754, 84.0508



Protanomaly

27.7233, 21.0827, 92.2307



Deuteranomaly

25.0732, 20.4978, 79.7258



Tritanomaly

27.6246, 21.5209, 40.7282

Monochromacy



Original Color

36.6079, 22.3754, 84.0508



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

25.6287, 21.6341, 41.3531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6079, 22.3754, 84.0508 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(174, 89, 239)` looks like.

```
.text, #text, p{  
    color:rgb(174, 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(174, 89, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 89, 239) }
```

Border

The CSS property to change the border of an element to XYZ 36.6079, 22.3754, 84.0508 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(174, 89, 239) }
```


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

```
.border{ border-color:rgb(174, 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(174, 89, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 89, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 89, 239);  
box-shadow:4px 4px 4px 4px rgb(174, 89,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6079, 22.3754, 84.0508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 89, 239) }
```

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

```
.background{ background-color: rgb(174, 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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