

Converting Colors

XYZ(36.6696, 22.3643, 84.5908)

Have a look what the booklet for
XYZ(36.6696, 22.3643, 84.5908)
contains.

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Color

**XYZ(36.7561, 22.4347,
84.8311)**

Conversions

Conversions Part 1

Format	Color
Hex	AE59F0
RGB	174, 89, 240
RGB Percent	68%, 35%, 94%
CMY	0.3176, 0.6510, 0.0588
CMYK	0.27, 0.63, 0.00, 0.06
HSL	274°, 83%, 65%
HSV	274°, 63%, 94%
XYZ	36.7561, 22.4347, 84.8311
YIQ	131.6290, 2.1890, 64.9810

Conversions

Conversions Part 2

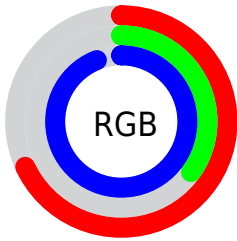
Format	Color
RYB	174, 89, 240
Decimal	11426288
CIELab	54.49, 60.46, -62.51
CIELCh	54, 86.965, 314.048
Yxy	22.4347, 0.2552, 0.1558
Android (android.graphics.Color)	4289616368 (0xFFAE59F0)
YUV	131.6290, 53.4269, 37.1594
Hunter-Lab	47.3653, 55.6292, -73.0325

Details

The XYZ color **36.7561, 22.4347, 84.8311** 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 **46.4811, 70.0104, 20.5153**, and the grayscale version is **21.6133, 22.7389, 24.7627**.

A 20% lighter version of the original color is **61.4767, 44.1886, 99.8968**, and **16.2936, 8.2196, 45.5275** is the 20% darker color. If you saturate the color by 10%, you get **32.8283, 17.9130, 84.1658**, and if you desaturate by 10%, it is **41.5191, 28.3535, 85.7229**.

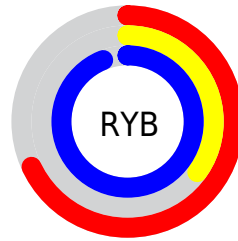
Distribution



Red (68%)

Green (35%)

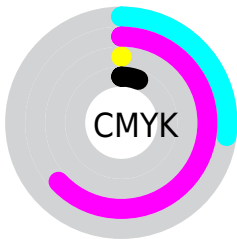
Blue (94%)



Red (68%)

Yellow (35%)

Blue (94%)

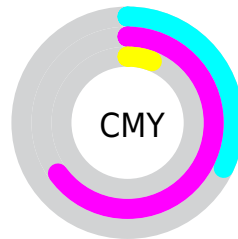


Cyan (27%)

Magenta (63%)

Yellow (0%)

Black (6%)



Cyan (32%)


Magenta (65%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7561, 22.4347, 84.8311 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 36.7561, 22.4347, 84.8311 by changing the saturation by 10% instead.

 36.7561, 22.4347,
84.8311


 36.7561, 22.4347,
84.8311


323.6273,
264.8080, 531.1990

 25.1915, 14.1767,
63.1525


 69.5138, 47.4634,
142.0092


 16.3493, 8.2436,
45.5228


 91.4376, 65.0029,
178.3458

 9.8641, 4.2512,
31.5235


 117.5452, 86.4049,
220.4055

 5.3705, 1.8151,
20.7360

 148.2019,
112.0540, 268.6068

 2.5032, 0.4965,
12.7418

183.7731,
142.3345, 323.3683

 0.8969, 0.0000,
7.1224

224.6242,

 0.0000, 0.0000,

177.6307, 385.1085

3.4591

271.1204,
218.3271, 454.2458

■ 0.0000, 0.0000,
1.3336

■ 0.0000, 0.0000,
0.0891

■ 36.7561, 22.4347,
84.8311

■ 36.7561, 22.4347,
84.8311

■ 32.8283, 17.9130,
84.1658

■ 41.5191, 28.3535,
85.7229

■ 29.6626, 14.6519,
83.7032

■ 47.1755, 35.7832,
86.8589

■ 27.1758, 12.4904,
83.4170

■ 53.7810, 44.8285,
88.2566

■ 25.7364, 11.4507,
83.2922

■ 61.3856, 55.5837,
89.9318

70.0355, 68.1357,
91.8987

79.7737, 82.5654,
94.1706

89.9985, 97.6641,
96.5461

92.7282, 99.0713,
96.6738

Harmonies

Analogous

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



26.0842, 22.4347, 118.7888



36.7561, 22.4347, 84.8311



44.2194, 22.4347, 41.8605

Triad

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



36.7561, 22.4347, 84.8311



26.7622, 22.4347, 0.7218



8.0361, 22.4347, 39.4960

Complementary

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



36.7561, 22.4347, 84.8311



46.4811, 70.0104, 20.5153

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.



8.1186, 22.4347, 12.6637



36.7561, 22.4347, 84.8311



17.1805, 22.4347, 0.6695

Square

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



36.7561, 22.4347, 84.8311



37.3781, 22.4347, 3.0989



10.9581, 22.4347, 2.7981



10.6844, 22.4347, 82.0365

Rectangle

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



36.7561, 22.4347, 84.8311



45.3004, 22.4347, 20.9095



10.9581, 22.4347, 2.7981



7.7771, 22.4347, 28.3196

Sweetspot

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



36.7571, 22.4355, 84.8316



74.1278, 69.0905, 104.0366



31.8971, 32.5129, 87.0329



15.2761, 13.9369, 22.1349



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.



36.7571, 22.4355, 84.8316



36.7532, 19.5626, 96.4466



54.1375, 31.5224, 79.9110



15.7487, 15.6677, 19.9157



14.2439, 6.3484, 45.6025



1.2990, 0.5869, 3.7990

Inverse Universe

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



45.4244, 28.0371, 34.0280



48.3526, 27.0160, 30.4103



37.4172, 65.2992, 21.8321



16.0597, 15.8736, 17.8708



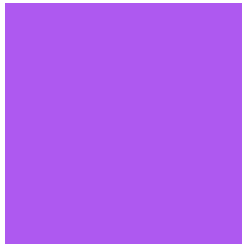
21.1286, 10.7239, 8.5937



1.8068, 0.9118, 0.9735

Previews

White Background



This preview shows how the XYZ color 36.7561, 22.4347, 84.8311 looks on a white background.

Color Contrast Check

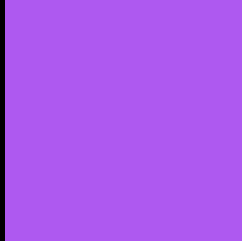
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.7561, 22.4347, 84.8311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

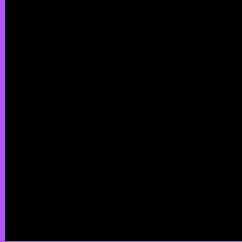
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.7561, 22.4347, 84.8311

Background



This preview shows how black text looks on a background with the XYZ color 36.7561, 22.4347, 84.8311.



This preview shows how white text looks on a background with the XYZ color 36.7561, 22.4347,

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

36.7561, 22.4347, 84.8311

Protanopia

26.8262, 22.8198, 97.5985

Deuteranopia

23.4744, 22.6841, 78.7425



Tritanopia

24.4517, 22.2820, 24.4848

Trichromacy



Original Color

36.7561, 22.4347, 84.8311



Protanomaly

27.8798, 21.1453, 93.0545



Deuteranomaly

25.0272, 20.4575, 80.4715



Tritanomaly

27.7196, 21.5589, 41.2284

Monochromacy



Original Color

36.7561, 22.4347, 84.8311



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 36.7561, 22.4347, 84.8311 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(174, 89, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 89, 240) }
```

Border

The CSS property to change the border of an element to XYZ 36.7561, 22.4347, 84.8311 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, 240) }
```


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

```
.border{ border-color:rgb(174, 89, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 89, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 89, 240);  
box-shadow:4px 4px 4px 4px rgb(174, 89,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7561, 22.4347, 84.8311 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, 240) }
```

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

```
.background{ background-color: rgb(174, 89,  
240) }
```

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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