

Converting Colors

XYZ(34.6393, 21.0773, 79.4985)

Have a look what the booklet for
XYZ(34.6393, 21.0773, 79.4985)
contains.

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Color

**XYZ(34.6133, 21.0848,
79.3362)**

Conversions

Conversions Part 1

Format	Color
Hex	AA56E9
RGB	170, 86, 233
RGB Percent	67%, 34%, 91%
CMY	0.3333, 0.6627, 0.0863
CMYK	0.27, 0.63, 0.00, 0.09
HSL	274°, 77%, 63%
HSV	274°, 63%, 91%
XYZ	34.6133, 21.0848, 79.3362
YIQ	127.8740, 2.8770, 63.5250

Conversions

Conversions Part 2

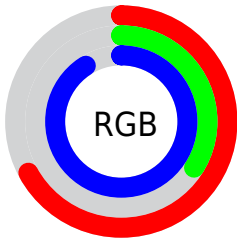
Format	Color
R _Y B	170, 86, 233
Decimal	11163369
CIE Lab	53.04, 59.46, -60.93
CIE LCh	53, 85.138, 314.300
Yxy	21.0848, 0.2563, 0.1561
Android (android.graphics.Color)	4289353449 (0xFFAA56E9)
YUV	127.8740, 51.8271, 36.9445
Hunter-Lab	45.9182, 54.1971, -70.2969

Details

The XYZ color **34.6133, 21.0848, 79.3362** 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 **43.2133, 65.3396, 19.1389**, and the grayscale version is **20.3006, 21.3579, 23.2587**.

A 20% lighter version of the original color is **59.7412, 42.6342, 99.6883**, and **15.1108, 7.5738, 41.7398** is the 20% darker color. If you saturate the color by 10%, you get **30.9698, 16.8808, 78.7172**, and if you desaturate by 10%, it is **39.0287, 26.5871, 80.1659**.

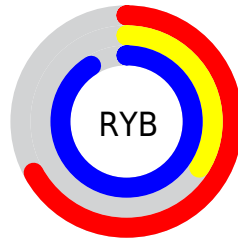
Distribution



Red (67%)

Green (34%)

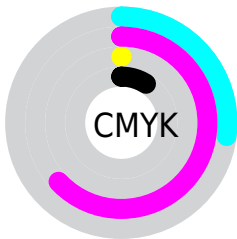
Blue (91%)



Red (67%)

Yellow (34%)

Blue (91%)

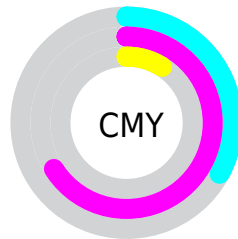


Cyan (27%)

Magenta (63%)

Yellow (0%)

Black (9%)



Cyan (33%)

Magenta (66%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6133, 21.0848, 79.3362 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 34.6133, 21.0848, 79.3362 by changing the saturation by 10% instead.

■ 34.6133, 21.0848,
79.3362

■ 34.6133, 21.0848,
79.3362

314.3962,
257.7288, 512.3406

■ 23.5303, 13.1860,
58.6493

■ 66.2243, 45.2286,
134.2350

■ 15.1084, 7.5568,
41.9127

■ 87.4829, 62.2424,
169.2840

■ 8.9823, 3.8127,
28.7079

■ 112.8641, 83.0634,
209.9575

■ 4.7867, 1.5693,
18.6163

■ 142.7332,
108.0758, 256.6740

■ 2.1561, 0.3368,
11.2194

177.4556,
137.6642, 309.8520

■ 0.7194, 0.0000,
6.0985

217.3967,

■ 0.0000, 0.0000,

172.2129, 369.9100

2.8353

262.9217,
212.1063, 437.2668

■ 0.0000, 0.0000,
1.0112

■ 0.0000, 0.0000,
0.0000

■ 34.6133, 21.0848,
79.3362

■ 34.6133, 21.0848,
79.3362

■ 30.9698, 16.8808,
78.7172

■ 39.0287, 26.5871,
80.1659

■ 28.0304, 13.8479,
78.2867


■ 44.2700, 33.4935,
81.2228


■ 25.7179, 11.8363,
78.0203

■ 50.3888, 41.9013,
82.5231


■ 24.4039, 10.8816,
77.9053


■ 57.4315, 51.8983,
84.0816

 65.4409, 63.5655,
85.9114

 74.4570, 76.9779,
88.0251

 84.5173, 92.2063,
90.4342

 89.8519, 97.7063,
91.2146

 91.7080, 98.6632,
91.3015

Harmonies

Analogous

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



24.5962, 21.0848, 111.4139



34.6133, 21.0848, 79.3362



41.5776, 21.0848, 39.0329

Triad

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



34.6133, 21.0848, 79.3362



25.0642, 21.0848, 0.6635



7.5670, 21.0848, 37.4012

Complementary

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



34.6133, 21.0848, 79.3362



43.2133, 65.3396, 19.1389

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.



7.6240, 21.0848, 12.0418



34.6133, 21.0848, 79.3362



16.0851, 21.0848, 0.6259

Square

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



34.6133, 21.0848, 79.3362



35.0426, 21.0848, 2.8780



10.2681, 21.0848, 2.6702



10.0791, 21.0848, 77.4080

Rectangle

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



34.6133, 21.0848, 79.3362



42.5501, 21.0848, 19.4585



10.2681, 21.0848, 2.6702



7.3167, 21.0848, 26.8532

Sweetspot

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



34.6142, 21.0856, 79.3367



74.2632, 69.1603, 104.0429



29.4049, 29.5794, 81.2507



15.3089, 13.9538, 22.1364



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.



34.6142, 21.0856, 79.3367



36.7306, 19.3433, 96.4055



50.2788, 29.3183, 72.9629



15.0553, 14.9738, 19.0190



13.9919, 6.2490, 44.2117



1.2084, 0.5473, 3.4768

Inverse Universe

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



42.3573, 26.1497, 31.2488



47.9730, 26.6403, 29.1016



35.0793, 61.0975, 20.9629



15.3334, 15.1612, 17.0411



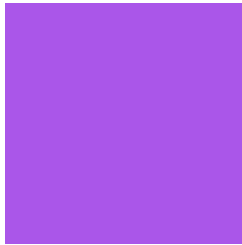
20.4283, 10.3740, 8.0568



1.6514, 0.8335, 0.8818

Previews

White Background



This preview shows how the XYZ color 34.6133, 21.0848, 79.3362 looks on a white background.

Color Contrast Check

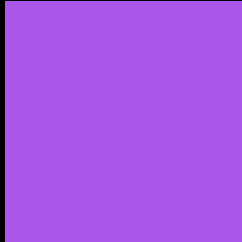
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.6133, 21.0848, 79.3362 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 34.6133, 21.0848, 79.3362

Background



This preview shows how black text looks on a background with the XYZ color 34.6133, 21.0848, 79.3362.



This preview shows how white text looks on a background with the XYZ color 34.6133, 21.0848,

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

34.6133, 21.0848, 79.3362

Protanopia

25.6052, 21.4461, 97.3977

Deuteranopia

22.1041, 21.4944, 73.5048



Tritanopia

23.0761, 20.9043, 22.5574

Trichromacy



Original Color

34.6133, 21.0848, 79.3362



Protanomaly

25.7368, 19.4465, 90.3928



Deuteranomaly

23.6080, 19.3347, 75.1607



Tritanomaly

26.2436, 20.3956, 38.1509

Monochromacy



Original Color

34.6133, 21.0848, 79.3362



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

24.1158, 20.4031, 38.7435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6133, 21.0848, 79.3362 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(170, 86, 233)` looks like.

```
.text, #text, p{  
    color:rgb(170, 86, 233)  
}
```

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(170, 86, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 86, 233) }
```

Border

The CSS property to change the border of an element to XYZ 34.6133, 21.0848, 79.3362 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(170, 86, 233) }
```


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

```
.border{ border-color:rgb(170, 86, 233) }
```

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

Here you see how a box with a 4 pixel rgb(170, 86, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 86, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 86, 233);  
box-shadow:4px 4px 4px 4px rgb(170, 86,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6133, 21.0848, 79.3362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 86, 233) }
```

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

```
.background{ background-color: rgb(170, 86,  
233) }
```

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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