

Converting Colors

XYZ(34.4561, 15.9510, 83.4674)

Have a look what the booklet for
XYZ(34.4561, 15.9510, 83.4674)
contains.

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Color

**XYZ(34.5506, 15.9946,
83.7043)**

Conversions

Conversions Part 1

Format	Color
Hex	B400F0
RGB	180, 0, 240
RGB Percent	71%, 0%, 94%
CMY	0.2941, 1.0000, 0.0588
CMYK	0.25, 1.00, 0.00, 0.06
HSL	285°, 100%, 47%
HSV	285°, 100%, 94%
XYZ	34.5506, 15.9946, 83.7043
YIQ	81.1800, 30.2400, 112.8000

Conversions

Conversions Part 2

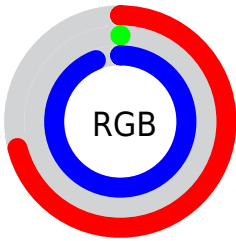
Format	Color
R_{YB}	180, 0, 240
Decimal	11796720
CIE _{Lab}	46.97, 85.43, -74.65
CIE _{LCh}	47, 113.450, 318.853
Yxy	15.9946, 0.2574, 0.1191
Android (android.graphics.Color)	4289986800 (0xFFB400F0)
YUV	81.1800, 78.2983, 86.6651
Hunter-Lab	39.9932, 84.2199, -96.0964

Details

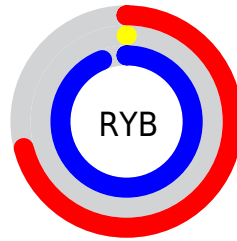
The XYZ color **34.5506, 15.9946, 83.7043** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **33.0242, 63.2813, 10.4743**, and the grayscale version is **7.7044, 8.1056, 8.8270**.

A 20% lighter version of the original color is **58.0667, 33.4029, 97.9947**, and **16.2930, 7.4120, 45.3717** is the 20% darker color. If you saturate the color by 10%, you get **34.5507, 15.9946, 83.7046**, and if you desaturate by 10%, it is **36.3055, 17.3845, 83.8804**.

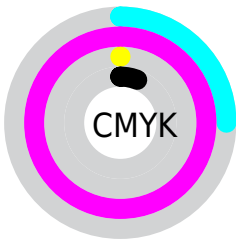
Distribution



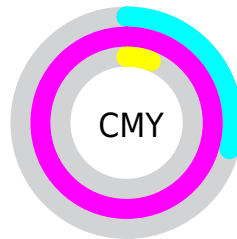
- Red (71%)
- Green (0%)
- Blue (94%)



- Red (71%)
- Yellow (0%)
- Blue (94%)



- Cyan (25%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)





- Cyan (29%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5506, 15.9946, 83.7043 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 34.5506, 15.9946, 83.7043 by changing the saturation by 10% instead.

 34.5506, 15.9946,
83.7043


 34.5506, 15.9946,
83.7043


314.1231,
229.3099, 527.3631

 23.4818, 9.5203,
62.2274


 66.1276, 36.5888,
140.4195


 15.0723, 5.0821,
44.7795


 87.3665, 51.4776,
176.4948


 8.9568, 2.2955,
30.9421

 112.7262, 69.9399,
218.2734

 4.7699, 0.7713,
20.2966

 142.5719, 92.3603,
266.1737

 2.1463, 0.0000,
12.4246

 177.2692,
119.1231, 320.6142

 0.7142, 0.0000,
6.9075

 217.1832,

 0.0000, 0.0000,

150.6127, 382.0137

3.3268

262.6794,
187.2135, 450.7904

■ 0.0000, 0.0000,
1.2638

■ 0.0000, 0.0000,
0.0319

■ 34.5506, 15.9946,
83.7043

■ 34.5506, 15.9946,
83.7043

■ 34.5507, 15.9946,
83.7046

■ 36.3055, 17.3845,
83.8804

■ 38.5246, 19.6129,
84.1936

■ 41.3358, 22.9336,
84.6863

■ 44.8148, 27.4968,
85.3838

■ 49.0252, 33.4289,
86.3069

■ 54.0229, 40.8405,
87.4740

■ 59.8580, 49.8307,
88.9018

■ 66.5761, 60.4898,
90.6051

■ 74.2196, 72.9016,
92.5980

Harmonies

Analogous

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



22.2322, 15.9946, 137.0248



34.5506, 15.9946, 83.7043



42.6261, 15.9946, 30.2468

Triad

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



34.5506, 15.9946, 83.7043



19.1939, 15.9946, 0.0000



3.3569, 15.9946, 41.6861

Complementary

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



34.5506, 15.9946, 83.7043



33.0242, 63.2813, 10.4743

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.



3.1204, 15.9946, 8.8490



34.5506, 15.9946, 83.7043



9.8367, 15.9946, 0.0000

Square

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



34.5506, 15.9946, 83.7043



31.5127, 15.9946, 0.0000



4.8914, 15.9946, 0.4424



5.7923, 15.9946, 99.3670

Rectangle

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



34.5506, 15.9946, 83.7043



42.8902, 15.9946, 10.2919



4.8914, 15.9946, 0.4424



3.0745, 15.9946, 27.2415

Sweetspot

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



34.5514, 15.9952, 83.7047



68.6207, 57.0716, 102.0070



17.3446, 9.5239, 83.3625



14.0564, 11.2345, 21.6776



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.



34.5514, 15.9952, 83.7047



39.5988, 18.3288, 96.0585



44.1739, 21.8210, 45.0652



16.0459, 15.8209, 19.9296



19.0415, 8.8217, 45.8270



1.6742, 0.7803, 3.8166

Inverse Universe

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



36.7512, 18.8519, 5.9778



42.1583, 21.6273, 6.7658



31.9762, 62.6468, 14.6828



15.9349, 15.8237, 17.2133



20.1626, 10.3375, 3.5071



1.7159, 0.8754, 0.4949

Previews

White Background



This preview shows how the XYZ color 34.5506, 15.9946, 83.7043 looks on a white background.

Color Contrast Check

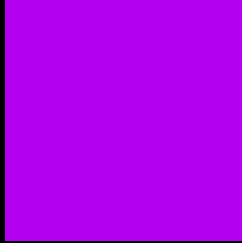
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 34.5506, 15.9946, 83.7043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

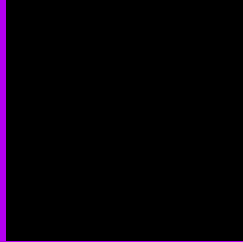
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.5506, 15.9946, 83.7043

Background



This preview shows how black text looks on a background with the XYZ color 34.5506, 15.9946, 83.7043.



This preview shows how white text looks on a background with the XYZ color 34.5506, 15.9946,

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

34.5506, 15.9946, 83.7043

Protanopia

19.7516, 16.6504, 77.0357

Deuteranopia

16.6707, 16.6609, 56.9808



Tritanopia

20.4522, 16.2141, 14.3636

Trichromacy



Original Color

34.5506, 15.9946, 83.7043



Protanomaly

19.1594, 11.3206, 79.0172



Deuteranomaly

16.8945, 10.9277, 65.5088



Tritanomaly

23.0092, 13.6057, 31.1192

Monochromacy



Original Color

34.5506, 15.9946, 83.7043



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.2243, 8.1020, 25.2929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5506, 15.9946, 83.7043 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(180, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(180, 0, 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(180, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 0, 240) }
```

Border

The CSS property to change the border of an element to XYZ 34.5506, 15.9946, 83.7043 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(180, 0, 240) }
```


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

```
.border{ border-color:rgb(180, 0, 240) }
```

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

Here you see how a box with a 4 pixel rgb(180, 0, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(180, 0,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5506, 15.9946, 83.7043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 0, 240) }
```

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

```
.background{ background-color: rgb(180, 0,  
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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