

Converting Colors

XYZ(34.4415, 16.1134, 75.7902)

Have a look what the booklet for
XYZ(34.4415, 16.1134, 75.7902)
contains.

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Color

**XYZ(34.5326, 16.1523,
76.1605)**

Conversions

Conversions Part 1

Format	Color
Hex	BA00E6
RGB	186, 0, 230
RGB Percent	73%, 0%, 90%
CMY	0.2706, 0.9999, 0.0980
CMYK	0.19, 1.00, 0.00, 0.10
HSL	289°, 100%, 45%
HSV	289°, 100%, 90%
XYZ	34.5326, 16.1523, 76.1605
YIQ	81.8340, 37.0260, 110.9620

Conversions

Conversions Part 2

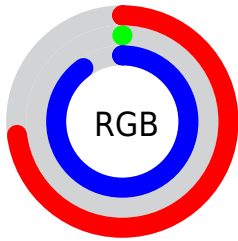
Format	Color
RYB	186, 0, 230
Decimal	12189926
CIELab	47.17, 84.48, -68.62
CIELCh	47, 108.834, 320.916
Yxy	16.1523, 0.2722, 0.1273
Android (android.graphics.Color)	4290380006 (0xFFBA00E6)
YUV	81.8340, 73.0458, 91.3536
Hunter-Lab	40.1899, 83.0411, -84.2225

Details

The XYZ color **34.5326, 16.1523, 76.1605** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **29.3363, 57.1296, 9.4814**, and the grayscale version is **7.8428, 8.2513, 8.9856**.

A 20% lighter version of the original color is **60.1489, 34.4763, 98.0921**, and **16.1470, 7.4528, 40.1226** is the 20% darker color. If you saturate the color by 10%, you get **34.5324, 16.1522, 76.1608**, and if you desaturate by 10%, it is **35.9256, 17.3257, 76.3139**.

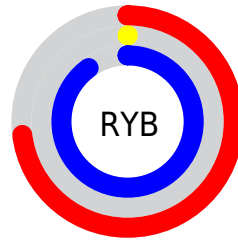
Distribution



Red (73%)

Green (0%)

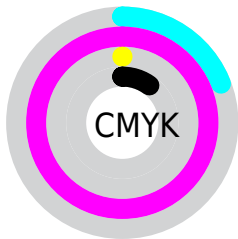
Blue (90%)



Red (73%)

Yellow (0%)

Blue (90%)

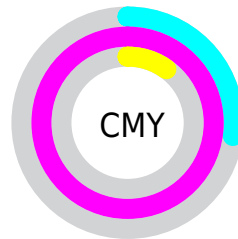


Cyan (19%)

Magenta (100%)

Yellow (0%)

Black (10%)



Cyan (27%)


Magenta (100%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5326, 16.1523, 76.1605 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 34.5326, 16.1523, 76.1605 by changing the saturation by 10% instead.


 34.5326, 16.1523,
76.1605


 34.5326, 16.1523,
76.1605


314.0447,
230.2387, 501.2584

 23.4679, 9.6320,
56.0567


 66.0999, 36.8624,
129.7159

 15.0620, 5.1556,
39.8441


 87.3331, 51.8210,
164.0046


 8.9495, 2.3389,
27.1041


 112.6866, 70.3611,
203.8587

 4.7651, 0.7942,
17.4183

 142.5256, 92.8672,
249.6966

 2.1434, 0.0000,
10.3681

 177.2156,
119.7236, 301.9370

 0.7127, 0.0000,
5.5349

 217.1219,

 0.0000, 0.0000,

151.3147, 360.9984

2.5002

262.6098,
188.0250, 427.2994

■ 0.0000, 0.0000,
0.8403

■ 0.0000, 0.0000,
0.0000

■ 34.5326, 16.1523,
76.1605

■ 34.5326, 16.1523,
76.1605

■ 34.5324, 16.1522,
76.1608

■ 35.9256, 17.3257,
76.3139

■ 37.7153, 19.2443,
76.5899

■ 40.0191, 22.1414,
77.0276

■ 42.9047, 26.1517,
77.6496

■ 46.4289, 31.3888,
78.4747

■ 50.6416, 37.9520,
79.5195

■ 55.5876, 45.9304,
80.7988

■ 61.3077, 55.4053,
82.3262

■ 67.8397, 66.4518,
84.1141

Harmonies

Analogous

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



22.9062, 16.1523, 127.0984



34.5326, 16.1523, 76.1605



41.6475, 16.1523, 27.2930

Triad

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



34.5326, 16.1523, 76.1605



18.4459, 16.1523, 0.0000



3.7779, 16.1523, 43.9198

Complementary

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



34.5326, 16.1523, 76.1605



29.3363, 57.1296, 9.4814

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.



3.4052, 16.1523, 10.5075



34.5326, 16.1523, 76.1605



9.6737, 16.1523, 0.0000

Square

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



34.5326, 16.1523, 76.1605



30.1281, 16.1523, 0.0000



5.0380, 16.1523, 0.8892



6.4254, 16.1523, 98.4548

Rectangle

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



34.5326, 16.1523, 76.1605



41.4491, 16.1523, 9.3736



5.0380, 16.1523, 0.8892



3.4428, 16.1523, 29.5787

Sweetspot

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



34.5334, 16.1529, 76.1609



70.1292, 57.8493, 102.0776



15.2607, 7.6683, 75.5390



14.4199, 11.4219, 21.6946



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.



34.5334, 16.1529, 76.1609



43.5636, 20.3728, 96.2440



39.0669, 19.3968, 35.4055



14.7107, 14.4686, 18.1617



19.6492, 9.1954, 43.1224



1.5217, 0.7154, 3.1899

Inverse Universe

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



33.0883, 17.0054, 3.9228



41.7898, 21.4799, 4.8254



29.3717, 57.0237, 15.0908



14.4891, 14.4128, 15.5100



18.7659, 9.6406, 2.3964



1.4187, 0.7252, 0.3454

Previews

White Background



This preview shows how the XYZ color 34.5326, 16.1523, 76.1605 looks on a white background.

Color Contrast Check

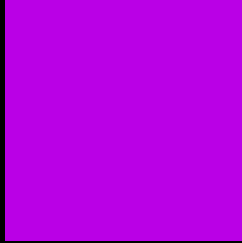
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.5326, 16.1523, 76.1605 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 34.5326, 16.1523, 76.1605

Background



This preview shows how black text looks on a background with the XYZ color 34.5326, 16.1523, 76.1605.



This preview shows how white text looks on a background with the XYZ color 34.5326, 16.1523,

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

34.5326, 16.1523, 76.1605

Protanopia

19.9997, 16.9214, 77.8134

Deuteranopia

17.0249, 16.8026, 58.8458



Tritanopia

21.7502, 16.3909, 13.3267

Trichromacy



Original Color

34.5326, 16.1523, 76.1605



Protanomaly

18.9979, 11.3788, 76.7963



Deuteranomaly

16.8429, 10.9306, 64.1729



Tritanomaly

24.0295, 13.9693, 28.2179

Monochromacy



Original Color

34.5326, 16.1523, 76.1605



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.4177, 8.2266, 24.1733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5326, 16.1523, 76.1605 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(186, 0, 230)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 230)  
}
```

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(186, 0, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 230) }
```

Border

The CSS property to change the border of an element to XYZ 34.5326, 16.1523, 76.1605 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(186, 0, 230) }
```


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

```
.border{ border-color:rgb(186, 0, 230) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 230);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5326, 16.1523, 76.1605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 230) }
```

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

```
.background{ background-color: rgb(186, 0,  
230) }
```

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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