

Converting Colors

XYZ(44.5952, 34.4873, 76.9559)

Have a look what the booklet for
XYZ(44.5952, 34.4873, 76.9559)
contains.

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Color

**XYZ(44.6616, 34.4918,
76.9767)**

Conversions

Conversions Part 1

Format	Color
Hex	C188E3
RGB	193, 136, 227
RGB Percent	76%, 53%, 89%
CMY	0.2431, 0.4667, 0.1098
CMYK	0.15, 0.40, 0.00, 0.11
HSL	278°, 62%, 71%
HSV	278°, 40%, 89%
XYZ	44.6616, 34.4918, 76.9767
YIQ	163.4170, 4.7610, 40.3850

Conversions

Conversions Part 2

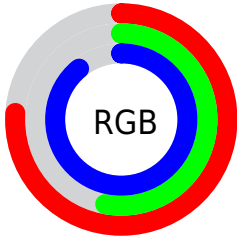
Format	Color
RYB	193, 136, 227
Decimal	12683491
CIELab	65.35, 38.07, -37.91
CIELCh	65, 53.723, 315.121
Yxy	34.4918, 0.2861, 0.2209
Android (android.graphics.Color)	4290873571 (0xFFC188E3)
YUV	163.4170, 31.3464, 25.9443
Hunter-Lab	58.7297, 32.9651, -36.6003

Details

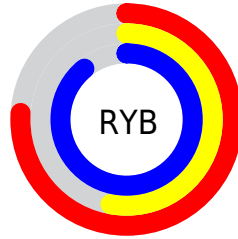
The XYZ color **44.6616, 34.4918, 76.9767** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **48.4916, 65.2626, 33.3351**, and the grayscale version is **34.8657, 36.6814, 39.9460**.

A 20% lighter version of the original color is **76.2471, 64.5561, 103.0497**, and **21.0804, 14.8405, 40.2815** is the 20% darker color. If you saturate the color by 10%, you get **39.6965, 27.6790, 75.9239**, and if you desaturate by 10%, it is **50.4301, 42.7253, 78.2624**.

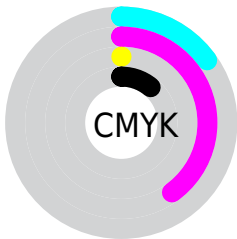
Distribution



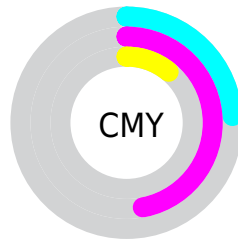
- Red (76%)
- Green (53%)
- Blue (89%)



- Red (76%)
- Yellow (53%)
- Blue (89%)



- Cyan (15%)
- Magenta (40%)
- Yellow (0%)
- Black (11%)



- Cyan (24%)
- Magenta (47%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6616, 34.4918, 76.9767 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 44.6616, 34.4918, 76.9767 by changing the saturation by 10% instead.

44.6616, 34.4918,
76.9767

44.6616, 34.4918,
76.9767

356.2081,
322.3194, 504.1201

31.3911, 23.2717,
56.7223

81.4526, 66.6977,
130.8793

21.0501, 14.7942,
40.3745

105.7038, 88.4523,
165.3646

13.2733, 8.6751,
27.5146

134.3459,
114.4872, 205.4306

7.6953, 4.5299,
17.7242

167.7443,
145.1867, 251.4958

3.9508, 1.9742,
10.5848

206.2644,
180.9353, 303.9789

1.6743, 0.5924,
5.6777

250.2715,

0.4401, 0.0000,

222.1174, 363.2982

2.5845

300.1309,
269.1173, 429.8725

■ 0.0000, 0.0000,
0.8845

■ 0.0000, 0.0000,
0.0000

■ 44.6616, 34.4918,
76.9767

■ 44.6616, 34.4918,
76.9767

■ 39.6965, 27.6790,
75.9239

■ 50.4301, 42.7253,
78.2624

■ 35.4860, 22.1954,
75.0874

■ 57.0397, 52.4548,
79.7921

■ 31.9811, 17.9451,
74.4518

■ 64.5298, 63.7556,
81.5786

■ 29.1248, 14.8172,
73.9986

■ 72.9364, 76.6962,
83.6333

■ 26.8495, 12.6801,
73.7060

■ 82.2930, 91.3413,
85.9669

■ 25.0529, 11.3135,
73.5369

■ 86.8952, 96.2795,
86.6775

■ 89.9046, 97.8309,
86.8184

■ 90.8652, 98.3261,
86.8633

Harmonies

Analogous

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



36.8731, 34.4918, 96.5181



44.6616, 34.4918, 76.9767



49.6089, 34.4918, 49.7626

Triad

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



44.6616, 34.4918, 76.9767



36.8069, 34.4918, 9.3828



20.2824, 34.4918, 49.9745

Complementary

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



44.6616, 34.4918, 76.9767



48.4916, 65.2626, 33.3351

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.



20.2705, 34.4918, 27.5286



44.6616, 34.4918, 76.9767



29.0079, 34.4918, 9.4015

Square

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



44.6616, 34.4918, 76.9767



44.6065, 34.4918, 14.5256



23.2235, 34.4918, 14.5939



23.2591, 34.4918, 77.1841

Rectangle

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



44.6616, 34.4918, 76.9767



50.1980, 34.4918, 33.8343



23.2235, 34.4918, 14.5939



19.9492, 34.4918, 41.5404

Sweetspot

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



44.6628, 34.4932, 76.9775



81.9715, 79.9023, 105.7101



38.5606, 39.8634, 78.3356



17.2632, 16.6746, 22.5586



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.



44.6628, 34.4932, 76.9775



52.7534, 37.4802, 99.0617



52.9279, 38.9182, 69.9490



14.4459, 14.3321, 18.1493



14.7439, 6.6667, 42.8929



1.1915, 0.5452, 3.1744

Inverse Universe

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



47.7394, 36.8428, 42.6266



57.6421, 41.1534, 47.1995



42.8599, 62.2678, 37.2077



14.5986, 14.4566, 16.0865



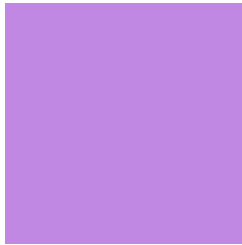
19.4789, 9.9258, 6.1510



1.4833, 0.7510, 0.6853

Previews

White Background



This preview shows how the XYZ color 44.6616, 34.4918, 76.9767 looks on a white background.

Color Contrast Check

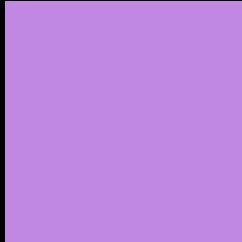
Large Text (above 18pt) WCAG AA × Fail

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 44.6616, 34.4918, 76.9767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

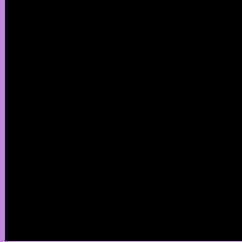
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.6616, 34.4918, 76.9767

Background



This preview shows how black text looks on a background with the XYZ color 44.6616, 34.4918, 76.9767.



This preview shows how white text looks on a background with the XYZ color 44.6616, 34.4918,

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

44.6616, 34.4918, 76.9767

Protanopia

37.1197, 34.8978, 90.3675

Deuteranopia

35.6928, 34.7600, 74.6402



Tritanopia

36.9564, 34.4886, 38.8916

Trichromacy



Original Color

44.6616, 34.4918, 76.9767



Protanomaly

39.1290, 34.3433, 85.4555



Deuteranomaly

38.1066, 34.0448, 75.0839



Tritanomaly

39.4818, 34.3608, 51.0057

Monochromacy



Original Color

44.6616, 34.4918, 76.9767



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

37.7097, 35.3263, 51.2855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6616, 34.4918, 76.9767 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(193, 136, 227)` looks like.

```
.text, #text, p{  
    color:rgb(193, 136, 227)  
}
```

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(193, 136, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 136, 227) }
```

Border

The CSS property to change the border of an element to XYZ 44.6616, 34.4918, 76.9767 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(193, 136, 227) }
```


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

```
.border{ border-color:rgb(193, 136, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 136, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 136, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 136, 227);  
box-shadow:4px 4px 4px 4px rgb(193, 136,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6616, 34.4918, 76.9767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 136, 227) }
```

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

```
.background{ background-color: rgb(193,  
136, 227) }
```

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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