

Converting Colors

XYZ(45.0196, 34.5000, 75.5206)

Have a look what the booklet for
XYZ(45.0196, 34.5000, 75.5206)
contains.

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Color

**XYZ(45.0195, 34.5000,
75.5205)**

Conversions

Conversions Part 1

Format	Color
Hex	C487E1
RGB	196, 135, 225
RGB Percent	77%, 53%, 88%
CMY	0.2314, 0.4706, 0.1176
CMYK	0.13, 0.40, 0.00, 0.12
HSL	281°, 60%, 71%
HSV	281°, 40%, 88%
XYZ	45.0195, 34.5000, 75.5205
YIQ	163.4990, 7.4660, 40.9220

Conversions

Conversions Part 2

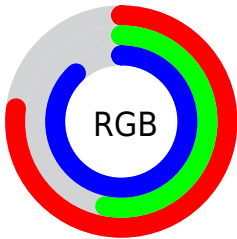
Format	Color
R_{YB}	196, 135, 225
Decimal	12879841
CIE _{Lab}	65.36, 39.08, -36.77
CIE _{LCh}	65, 53.653, 316.744
Yxy	34.5000, 0.2904, 0.2225
Android (android.graphics.Color)	4291069921 (0xFFC487E1)
YUV	163.4990, 30.3200, 28.5034
Hunter-Lab	58.7367, 34.0244, -35.1162

Details

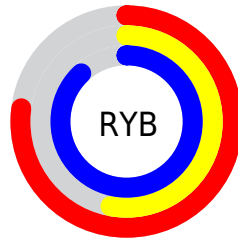
The XYZ color **45.0195, 34.5000, 75.5205** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **46.6094, 63.4931, 32.7221**, and the grayscale version is **34.9083, 36.7262, 39.9949**.

A 20% lighter version of the original color is **77.1206, 64.6860, 103.0287**, and **21.3163, 14.8679, 39.2824** is the 20% darker color. If you saturate the color by 10%, you get **40.3654, 27.9233, 74.4969**, and if you desaturate by 10%, it is **50.4304, 42.4532, 76.7710**.

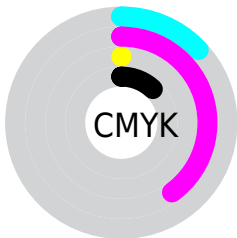
Distribution



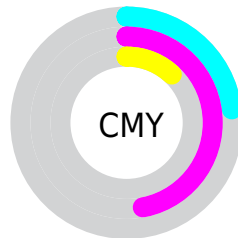
- Red (77%)
- Green (53%)
- Blue (88%)



- Red (77%)
- Yellow (53%)
- Blue (88%)



- Cyan (13%)
- Magenta (40%)
- Yellow (0%)
- Black (12%)





- Cyan (23%)
- Magenta (47%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0195, 34.5000, 75.5205 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 45.0195, 34.5000, 75.5205 by changing the saturation by 10% instead.


 45.0195, 34.5000,
75.5205

 45.0195, 34.5000,
75.5205


357.6349,
322.3558, 499.0078


 31.6741, 23.2780,
55.5351


 81.9866, 66.7105,
128.8027

 21.2671, 14.7989,
39.4288


 106.3390, 88.4677,
162.9367

 13.4329, 8.6784,
26.7831


 135.0911,
114.5054, 202.6239

 7.8064, 4.5320,
17.1794

168.6083,
145.2081, 248.2829

 4.0221, 1.9754,
10.1992

207.2559,
180.9601, 300.3322

 1.7146, 0.5931,
5.4239

251.3993,

 0.4654, 0.0000,

222.1458, 359.1905

2.4350

301.4038,
269.1495, 425.2761

■ 0.0000, 0.0000,
0.8054

■ 0.0000, 0.0000,
0.0000

■ 45.0195, 34.5000,
75.5205

■ 45.0195, 34.5000,
75.5205

■ 40.3654, 27.9233,
74.4969

■ 50.4304, 42.4532,
76.7710

■ 36.4211, 22.6338,
73.6838

■ 56.6343, 51.8560,
78.2589

■ 33.1396, 18.5384,
73.0663

■ 63.6691, 62.7817,
79.9970

■ 30.4659, 15.5290,
72.6263

■ 71.5691, 75.2971,
81.9964

■ 28.3349, 13.4776,
72.3427

■ 80.3666, 89.4649,
84.2674

■ 26.6337, 12.1603,
72.1781

■ 85.1171, 95.3945,
85.1615

■ 26.6334, 12.1601,
72.1781

■ 87.6211, 96.6854,
85.2787

■ 90.2245, 98.0275,
85.4005

■ 90.5907, 98.2163,
85.4177

Harmonies

Analogous

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



37.3213, 34.5000, 95.8058



45.0195, 34.5000, 75.5205



49.7309, 34.5000, 48.3406

Triad

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



45.0195, 34.5000, 75.5205



36.3648, 34.5000, 9.2905



20.3870, 34.5000, 51.4016

Complementary

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



45.0195, 34.5000, 75.5205



46.6094, 63.4931, 32.7221

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.



20.2148, 34.5000, 28.5223



45.0195, 34.5000, 75.5205



28.6434, 34.5000, 9.5606

Square

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



45.0195, 34.5000, 75.5205



44.2240, 34.5000, 14.1047



23.0058, 34.5000, 15.0926



23.5211, 34.5000, 78.5147

Rectangle

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



45.0195, 34.5000, 75.5205



50.1238, 34.5000, 32.7266



23.0058, 34.5000, 15.0926



20.0005, 34.5000, 42.8574

Sweetspot

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



45.0207, 34.5014, 75.5213



82.5183, 80.1842, 105.7357



37.0388, 37.4989, 76.5205



17.3921, 16.7411, 22.5646



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.



45.0207, 34.5014, 75.5213



54.5719, 38.4177, 99.1468



51.3492, 37.9900, 65.6000



13.8432, 13.7027, 17.3030



15.4743, 7.0726, 41.5979



1.1649, 0.5378, 2.8877

Inverse Universe

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



46.4173, 36.0173, 39.6291



57.0231, 40.9058, 43.9401



42.4231, 61.2042, 38.4334



13.8884, 13.7730, 15.1823



18.6241, 9.5167, 4.6864



1.3309, 0.6756, 0.5354

Previews

White Background



This preview shows how the XYZ color 45.0195, 34.5000, 75.5205 looks on a white background.

Color Contrast Check

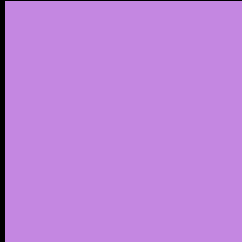
Large Text (above 18pt) WCAG AA × Fail

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 45.0195, 34.5000, 75.5205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

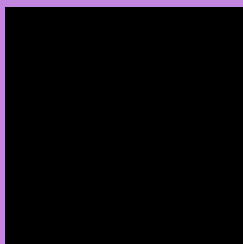
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.0195, 34.5000, 75.5205

Background



This preview shows how black text looks on a background with the XYZ color 45.0195, 34.5000, 75.5205.

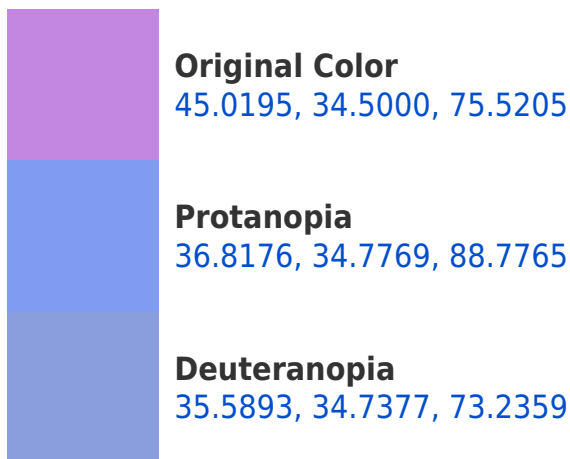


This preview shows how white text looks on a background with the XYZ color 45.0195, 34.5000,

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





Tritanopia

37.3423, 34.4721, 37.9433

Trichromacy



Original Color

45.0195, 34.5000, 75.5205

Protanomaly

38.8671, 34.0082, 83.8726

Deuteranomaly

38.2303, 34.1397, 73.6819

Tritanomaly

39.8602, 34.3544, 49.8776

Monochromacy



Original Color

45.0195, 34.5000, 75.5205

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

38.1587, 35.5577, 51.3065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0195, 34.5000, 75.5205 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(196, 135, 225)` looks like.

```
.text, #text, p{  
    color:rgb(196, 135, 225)  
}
```

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(196, 135, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 135, 225) }
```

Border

The CSS property to change the border of an element to XYZ 45.0195, 34.5000, 75.5205 is called "border". The border property can be set on classes, ids or directly on the HTML element.

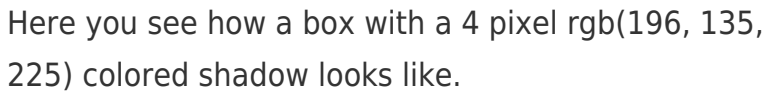
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 135, 225) }
```


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

```
.border{ border-color:rgb(196, 135, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 135, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 135, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 135, 225);  
box-shadow:4px 4px 4px 4px rgb(196, 135,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0195, 34.5000, 75.5205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 135, 225) }
```

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

```
.background{ background-color: rgb(196,  
135, 225) }
```

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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