

# Converting Colors

XYZ(56.2213, 43.9530, 77.6236)

Have a look what the booklet for  
XYZ(56.2213, 43.9530, 77.6236)  
contains.

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# Color

**XYZ(56.3197, 44.1162,  
77.4984)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E298E2
RGB	226, 152, 226
RGB Percent	89%, 60%, 89%
CMY	0.1137, 0.4039, 0.1137
CMYK	0.00, 0.33, 0.00, 0.11
HSL	300°, 56%, 74%
HSV	300°, 33%, 89%
XYZ	56.3197, 44.1162, 77.4984
YIQ	182.5620, 20.3500, 38.7020

# Conversions

## Conversions Part 2

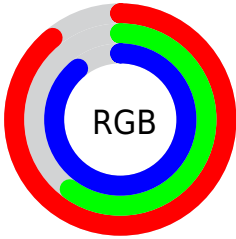
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 152, 226
Decimal	14850274
CIE <sub>Lab</sub>	72.31, 39.33, -26.32
CIE <sub>LCh</sub>	72, 47.325, 326.213
Yxy	44.1162, 0.3165, 0.2479
Android (android.graphics.Color)	4293040354 (0xFFE298E2)
YUV	182.5620, 21.4149, 38.0951
Hunter-Lab	66.4200, 35.1209, -22.6851

# Details

The XYZ color **56.3197, 44.1162, 77.4984** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.8145, 63.3365, 39.5187**, and the grayscale version is **44.6501, 46.9754, 51.1562**.

A 20% lighter version of the original color is **81.6028, 73.1056, 104.4176**, and **28.0797, 20.2610, 40.4610** is the 20% darker color. If you saturate the color by 10%, you get **52.9957, 37.4674, 76.3908**, and if you desaturate by 10%, it is **60.3453, 52.1665, 78.8408**.

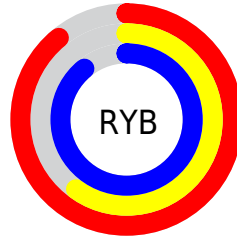
# Distribution



Red (89%)

Green (60%)

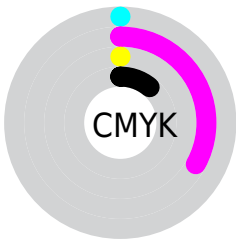
Blue (89%)



Red (89%)

Yellow (60%)

Blue (89%)

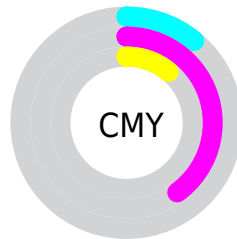


Cyan (0%)

Magenta (33%)

Yellow (0%)

Black (11%)



Cyan (11%)

Magenta (40%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3197, 44.1162, 77.4984 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 56.3197, 44.1162, 77.4984 by changing the saturation by 10% instead.





 56.3197, 44.1162,  
77.4984

 56.3197, 44.1162,  
77.4984

400.9507,  
363.1822, 505.9444

 40.6973, 30.7619,  
57.1480

 98.6090, 81.3926,  
131.6222

 28.2693, 20.4176,  
40.7139


 126.0065,  
106.0834, 166.2327

 18.6702, 12.6990,  
27.7776


158.0599,  
135.3218, 206.4337

 11.5348, 7.2216,  
17.9205

195.1344,  
169.4923, 252.6437

 6.4977, 3.6011,  
10.7241

237.5953,  
208.9792, 305.2812

 3.1935, 1.4530,  
5.7698

285.8082,

 1.2569, 0.2553,

254.1669, 364.7648

2.6391

340.1382,  
305.4398, 431.5130

■ 0.1506, 0.0000,  
0.9125

■ 0.0000, 0.0000,  
0.0000

■ 56.3197, 44.1162,  
77.4984

■ 56.3197, 44.1162,  
77.4984

■ 52.9957, 37.4674,  
76.3908

■ 60.3453, 52.1665,  
78.8408

■ 50.3294, 32.1347,  
75.5019


■ 65.1050, 61.6859,  
80.4275


■ 48.2782, 28.0325,  
74.8181


■ 70.6343, 72.7444,  
82.2707


■ 46.7932, 25.0624,  
74.3229


■ 76.9651, 85.4061,  
84.3811


 45.8176, 23.1113,  
73.9976


 80.8522, 93.1800,  
85.6769


 45.2833, 22.0426,  
73.8194

 80.8522, 93.1801,  
85.6770

 45.0919, 21.6600,  
73.7556

 80.8522, 93.1801,  
85.6771

 80.8522, 93.1801,  
85.6772

 80.8522, 93.1801,  
85.6773

# Harmonies

## Analogous

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



49.2262, 44.1162, 100.4699



56.3197, 44.1162, 77.4984



59.5537, 44.1162, 51.0543

# Triad

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



56.3197, 44.1162, 77.4984



42.9725, 44.1162, 15.7691



29.4062, 44.1162, 70.6619

# Complementary

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



56.3197, 44.1162, 77.4984



45.8145, 63.3365, 39.5187

# 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.



28.1809, 44.1162, 45.1372



56.3197, 44.1162, 77.4984



35.3950, 44.1162, 18.0136

# Square

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



56.3197, 44.1162, 77.4984



51.2440, 44.1162, 19.5962



30.2291, 44.1162, 27.1832



33.8210, 44.1162, 95.7091



# Rectangle

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



56.3197, 44.1162, 77.4984



58.8140, 44.1162, 36.5821



30.2291, 44.1162, 27.1832



28.6344, 44.1162, 61.6589

# Sweetspot

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



56.3211, 44.1181, 77.4993



87.4478, 84.7957, 106.3658



37.9066, 34.6251, 76.6379



18.5068, 17.7284, 22.6964



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.



56.3211, 44.1181, 77.4993



71.1030, 52.1061, 100.9171



51.7792, 42.3014, 53.5819



14.2951, 13.9357, 17.3241



25.7246, 12.3568, 42.0770



1.7831, 0.8565, 2.9166



# Inverse Universe

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



56.3211, 44.1181, 77.4993



71.1030, 52.1061, 100.9171



49.3322, 64.7436, 58.0426



14.2951, 13.9357, 17.3241



25.7246, 12.3568, 42.0770



1.7831, 0.8565, 2.9166



# Previews

## White Background



This preview shows how the XYZ color 56.3197, 44.1162, 77.4984 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

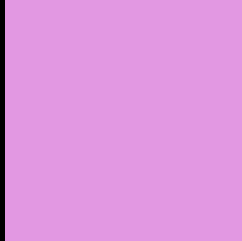
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.3197, 44.1162, 77.4984 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

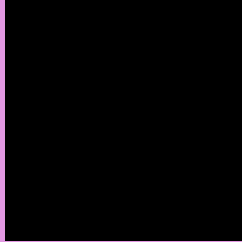
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.3197, 44.1162, 77.4984**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.3197, 44.1162, 77.4984.



This preview shows how white text looks on a background with the XYZ color 56.3197, 44.1162,



# 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

56.3197, 44.1162, 77.4984

### Protanopia

45.6082, 44.4001, 90.9603

### Deuteranopia

45.3341, 44.3167, 75.2719



## Tritanopia

49.8716, 43.9959, 46.4210

# Trichromacy



## Original Color

56.3197, 44.1162, 77.4984



## Protanomaly

48.6332, 43.8191, 86.0155



## Deuteranomaly

48.6937, 43.8066, 75.7011



## Tritanomaly

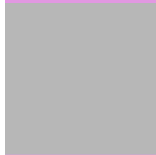
52.0887, 43.8784, 56.7629

# Monochromacy



## Original Color

56.3197, 44.1162, 77.4984



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

48.6145, 45.7707, 60.3052

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.3197, 44.1162, 77.4984 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(226, 152, 226)` looks like.

```
.text, #text, p{  
    color:rgb(226, 152, 226)  
}
```

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(226, 152, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 152, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 56.3197, 44.1162, 77.4984 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(226, 152, 226) }
```



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

```
.border{ border-color:rgb(226, 152, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 152, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 152, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 152, 226);  
box-shadow:4px 4px 4px 4px rgb(226, 152,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.3197, 44.1162, 77.4984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 152, 226) }
```

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

```
.background{ background-color: rgb(226,  
152, 226) }
```

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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