

# Converting Colors

XYZ(42.3656, 22.5598, 50.7737)

Have a look what the booklet for  
XYZ(42.3656, 22.5598, 50.7737)  
contains.

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# Color

**XYZ(42.5172, 22.6677,  
50.8496)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E434BE
RGB	228, 52, 190
RGB Percent	89%, 20%, 75%
CMY	0.1059, 0.7960, 0.2549
CMYK	0.00, 0.77, 0.17, 0.11
HSL	313°, 77%, 55%
HSV	313°, 77%, 89%
XYZ	42.5172, 22.6677, 50.8496
YIQ	120.3560, 60.5980, 80.2300

# Conversions

## Conversions Part 2

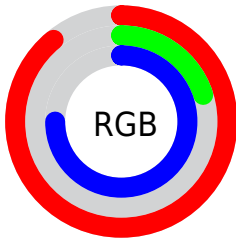
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	228, 52, 190
Decimal	14955710
CIE <sub>Lab</sub>	54.73, 77.53, -33.22
CIE <sub>LCh</sub>	55, 84.350, 336.804
Y <sub>xy</sub>	22.6677, 0.3664, 0.1954
Android (android.graphics.Color)	4293145790 (0xFFE434BE)
YUV	120.3560, 34.3345, 94.4038
Hunter-Lab	47.6106, 76.0854, -29.9961

# Details

The XYZ color **42.5172, 22.6677, 50.8496** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **31.0064, 56.9560, 19.0349**, and the grayscale version is **17.8482, 18.7777, 20.4489**.

A 20% lighter version of the original color is **64.3898, 40.6980, 92.4575**, and **20.5924, 10.1024, 24.1572** is the 20% darker color. If you saturate the color by 10%, you get **41.2049, 20.8893, 47.8021**, and if you desaturate by 10%, it is **44.3402, 25.4374, 54.1574**.

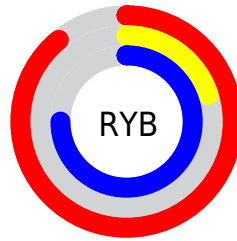
# Distribution



Red (89%)

Green (20%)

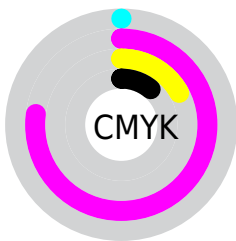
Blue (75%)



Red (89%)

Yellow (20%)

Blue (75%)

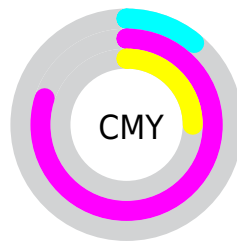


Cyan (0%)

Magenta (77%)

Yellow (17%)

Black (11%)



Cyan (11%)

Magenta (80%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5172, 22.6677, 50.8496 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 42.5172, 22.6677, 50.8496 by changing the saturation by 10% instead.




 42.5172, 22.6677,  
50.8496

 42.5172, 22.6677,  
50.8496


347.5777,  
266.0136, 406.8090

 29.6994, 14.3483,  
35.7130


 78.2421, 47.8471,  
92.8416


 19.7574, 8.3633,  
23.9247


 101.8798, 65.4759,  
120.5342


 12.3261, 4.3283,  
15.0661


 129.8548, 86.9767,  
153.2492

 7.0399, 1.8589,  
8.7186

 162.5326,  
112.7338, 191.4051

 3.5336, 0.5235,  
4.4638

 200.2784,  
143.1317, 235.4205

 1.4418, 0.0000,  
1.8831

243.4576,

 0.2857, 0.0000,

178.5547, 285.7139

0.4819

292.4356,  
219.3872, 342.7039

■ 0.0000, 0.0000,  
0.0000

■ 42.5172, 22.6677,  
50.8496

■ 42.5172, 22.6677,  
50.8496

■ 41.2049, 20.8893,  
47.8021

■ 44.3402, 25.4374,  
54.1574

■ 40.3187, 19.9349,  
44.9852


■ 46.7340, 29.3199,  
57.7458


■ 40.1086, 19.7395,  
44.2220


■ 49.7529, 34.4230,  
61.6340


■ 53.4441, 40.8405,  
65.8385

■ 57.8500, 48.6574,  
70.3743

 63.0096, 57.9514,  
75.2552

 68.9591, 68.7943,  
80.4941

 75.7322, 81.2534,  
86.1030

 82.6508, 93.9724,  
91.8566

# Harmonies

## Analogous

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



34.1323, 22.6677, 92.5946



42.5172, 22.6677, 50.8496



44.6275, 22.6677, 19.0973

# Triad

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



42.5172, 22.6677, 50.8496



19.4950, 22.6677, 0.7413



10.1639, 22.6677, 69.8341

# Complementary

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



42.5172, 22.6677, 50.8496



31.0064, 56.9560, 19.0349

# 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.



8.2194, 22.6677, 31.2596



42.5172, 22.6677, 50.8496



12.5092, 22.6677, 2.1920

# Square

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



42.5172, 22.6677, 50.8496



29.3843, 22.6677, 1.1925



8.9333, 22.6677, 9.5052



15.2409, 22.6677, 108.0304



# Rectangle

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



42.5172, 22.6677, 50.8496



41.7730, 22.6677, 8.0408



8.9333, 22.6677, 9.5052



9.2005, 22.6677, 55.7292

# Sweetspot

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



42.5180, 22.6688, 50.8500



77.1365, 67.3290, 93.1995



19.1823, 10.0948, 74.3368



16.0144, 13.5212, 19.4688



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.



42.5180, 22.6688, 50.8500



52.3282, 26.0375, 59.2647



35.7636, 19.9671, 15.2821



14.8549, 14.5591, 17.4361



23.2055, 11.4164, 25.7750



1.7480, 0.8569, 2.0797



# Inverse Universe

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



42.5180, 22.6688, 50.8500



52.3282, 26.0375, 59.2647



36.9183, 59.3208, 50.1668



14.8549, 14.5591, 17.4361



23.2055, 11.4164, 25.7750



1.7480, 0.8569, 2.0797



# Previews

## White Background



This preview shows how the XYZ color 42.5172, 22.6677, 50.8496 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

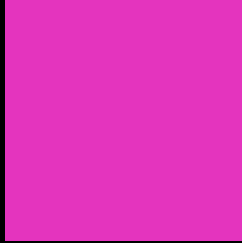
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.5172, 22.6677, 50.8496 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

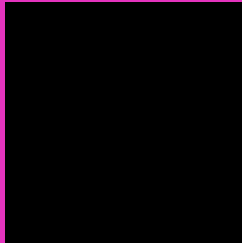
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 42.5172, 22.6677, 50.8496**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.5172, 22.6677, 50.8496.



This preview shows how white text looks on a background with the XYZ color 42.5172, 22.6677,



# 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

42.5172, 22.6677, 50.8496

### Protanopia

27.0235, 23.1677, 95.1430

### Deuteranopia

23.4554, 23.0018, 45.8514



## Tritanopia

34.5534, 22.6492, 12.6758

# Trichromacy



## Original Color

42.5172, 22.6677, 50.8496



## Protanomaly

26.5852, 18.8364, 76.3633



## Deuteranomaly

27.2032, 20.0897, 47.2437



## Tritanomaly

36.4693, 21.9857, 22.7436

# Monochromacy



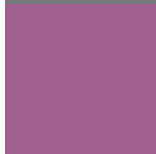
## Original Color

42.5172, 22.6677, 50.8496



## Achromatopsia

17.8524, 18.7821, 20.4537



## Achromatomaly

23.5011, 17.5997, 28.9465

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.5172, 22.6677, 50.8496 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(228, 52, 190)` looks like.

```
.text, #text, p{  
    color:rgb(228, 52, 190)  
}
```

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(228, 52, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 52, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 42.5172, 22.6677, 50.8496 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(228, 52, 190) }
```



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

```
.border{ border-color:rgb(228, 52, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 52, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 52, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 52, 190);  
box-shadow:4px 4px 4px 4px rgb(228, 52,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.5172, 22.6677, 50.8496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 52, 190) }
```

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

```
.background{ background-color: rgb(228, 52,  
190) }
```

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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