

# Converting Colors

XYZ(38.8857, 22.6902, 52.4458)

Have a look what the booklet for  
XYZ(38.8857, 22.6902, 52.4458)  
contains.

<b>XYZ(38.8945, 22.6868, 52.1982)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(38.8945, 22.6868,  
52.1982)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D34BC0
RGB	211, 75, 192
RGB Percent	83%, 29%, 75%
CMY	0.1725, 0.7059, 0.2471
CMYK	0.00, 0.64, 0.09, 0.17
HSL	308°, 61%, 56%
HSV	308°, 64%, 83%
XYZ	38.8945, 22.6868, 52.1982
YIQ	129.0020, 43.4990, 65.2190

# Conversions

## Conversions Part 2

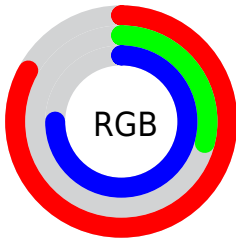
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	211, 75, 192
Decimal	13847488
CIE Lab	54.75, 66.26, -34.55
CIE LCh	55, 74.727, 332.462
Yxy	22.6868, 0.3418, 0.1994
Android (android.graphics.Color)	4292037568 (0xFFD34BC0)
YUV	129.0020, 31.0580, 71.9122
Hunter-Lab	47.6307, 62.4068, -31.6341

# Details

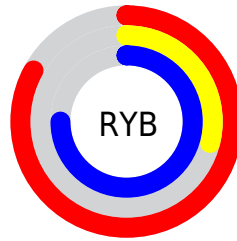
The XYZ color **38.8945, 22.6868, 52.1982** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **28.2174, 48.8935, 18.5415**, and the grayscale version is **20.7521, 21.8328, 23.7759**.

A 20% lighter version of the original color is **66.5901, 44.6021, 94.7219**, and **17.7243, 8.6073, 24.7720** is the 20% darker color. If you saturate the color by 10%, you get **37.3701, 20.1551, 50.0947**, and if you desaturate by 10%, it is **40.9014, 26.1721, 54.4952**.

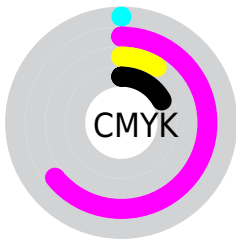
# Distribution



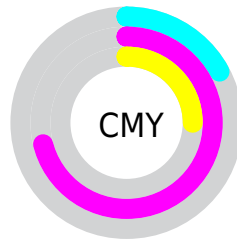
- Red (83%)
- Green (29%)
- Blue (75%)



- Red (83%)
- Yellow (29%)
- Blue (75%)



- Cyan (0%)
- Magenta (64%)
- Yellow (9%)
- Black (17%)




- Cyan (17%)
- Magenta (71%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8945, 22.6868, 52.1982 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 38.8945, 22.6868, 52.1982 by changing the saturation by 10% instead.




 38.8945, 22.6868,  
52.1982


 38.8945, 22.6868,  
52.1982


332.6566,  
266.1122, 412.1800

 26.8580, 14.3624,  
36.7798


 72.7722, 47.8785,  
94.8530


 17.6027, 8.3732,  
24.7426


 95.3442, 65.5147,  
122.9265


 10.7631, 4.3346,  
15.6681


 122.1587, 87.0235,  
156.0554

 5.9738, 1.8625,  
9.1378

 153.5811,  
112.7895, 194.6582

 2.8697, 0.5257,  
4.7331

 189.9767,  
143.1969, 239.1536

 1.0852, 0.0000,  
2.0356

231.7109,

 0.0127, 0.0000,

178.6303, 289.9599

0.5770

279.1491,  
219.4739, 347.4959

■ 0.0000, 0.0000,  
0.0000

■ 38.8945, 22.6868,  
52.1982

■ 38.8945, 22.6868,  
52.1982

■ 37.3701, 20.1551,  
50.0947

■ 40.9014, 26.1721,  
54.4952

■ 36.2768, 18.4757,  
48.1668

■ 43.4308, 30.6923,  
56.9987

■ 35.5558, 17.5303,  
46.3948

■ 46.5212, 36.3239,  
59.7218

■ 35.2583, 17.2067,  
45.4597

■ 50.2067, 43.1352,  
62.6761

■ 54.5189, 51.1890,  
65.8724

■ 59.4869, 60.5436,  
69.3204

■ 65.1380, 71.2538,  
73.0295

■ 71.4981, 83.3710,  
77.0085

■ 75.3490, 90.4589,  
80.1848

# Harmonies

## Analogous

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



31.2396, 22.6868, 86.2188



38.8945, 22.6868, 52.1982



41.5942, 22.6868, 22.8029

# Triad

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



38.8945, 22.6868, 52.1982



20.8894, 22.6868, 1.4423



10.7628, 22.6868, 57.9599

# Complementary

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



38.8945, 22.6868, 52.1982



28.2174, 48.8935, 18.5415

# 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.



9.2867, 22.6868, 26.7039



38.8945, 22.6868, 52.1982



14.1248, 22.6868, 2.7852

# Square

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



38.8945, 22.6868, 52.1982



29.7538, 22.6868, 2.3544



10.3401, 22.6868, 9.0961



15.0331, 22.6868, 90.7841



# Rectangle

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



38.8945, 22.6868, 52.1982



39.7804, 22.6868, 11.0998



10.3401, 22.6868, 9.0961



9.9808, 22.6868, 46.4242

# Sweetspot

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



38.8953, 22.6879, 52.1986



80.4231, 72.4595, 98.7421



18.8028, 12.0707, 62.9676



16.8116, 14.7588, 20.8341



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.



38.8953, 22.6879, 52.1986



56.7295, 29.9295, 75.8708



33.0743, 20.3595, 21.5455



12.2368, 11.9795, 14.5228



21.3067, 10.3955, 27.5851



1.2113, 0.5893, 1.6478



# Inverse Universe

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



38.8953, 22.6879, 52.1986



56.7295, 29.9295, 75.8708



32.6418, 50.6632, 41.8399



12.2368, 11.9795, 14.5228



21.3067, 10.3955, 27.5851



1.2113, 0.5893, 1.6478



# Previews

## White Background



This preview shows how the XYZ color 38.8945, 22.6868, 52.1982 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

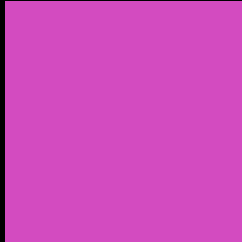
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.8945, 22.6868, 52.1982 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

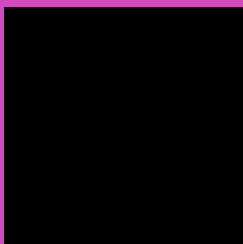
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 38.8945, 22.6868, 52.1982**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.8945, 22.6868, 52.1982.



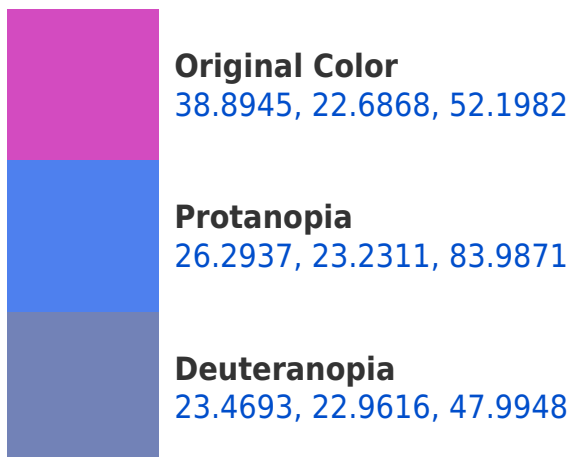
This preview shows how white text looks on a background with the XYZ color 38.8945, 22.6868,



# 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

31.4205, 22.5208, 16.3266

# Trichromacy



## Original Color

38.8945, 22.6868, 52.1982



## Protanomaly

27.1240, 20.5934, 70.9519



## Deuteranomaly

26.8333, 21.0866, 49.1102



## Tritanomaly

33.3484, 22.0976, 26.1745

# Monochromacy



## Original Color

38.8945, 22.6868, 52.1982



## Achromatopsia

20.8660, 21.9526, 23.9064



## Achromatomaly

25.4342, 20.5752, 32.3366

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.8945, 22.6868, 52.1982 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(211, 75, 192)` looks like.

```
.text, #text, p{  
    color:rgb(211, 75, 192)  
}
```

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(211, 75, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 75, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 38.8945, 22.6868, 52.1982 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(211, 75, 192) }
```



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

```
.border{ border-color:rgb(211, 75, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 75, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 75, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 75, 192);  
box-shadow:4px 4px 4px 4px rgb(211, 75,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.8945, 22.6868, 52.1982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 75, 192) }
```

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

```
.background{ background-color: rgb(211, 75,  
192) }
```

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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