

# Converting Colors

XYZ(35.6764, 25.5000, 42.3919)

Have a look what the booklet for  
XYZ(35.6764, 25.5000, 42.3919)  
contains.

<b>XYZ(35.6703, 25.4780, 42.5729)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(35.6703, 25.4780,  
42.5729)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C46CAD
RGB	196, 108, 173
RGB Percent	77%, 42%, 68%
CMY	0.2314, 0.5765, 0.3216
CMYK	0.00, 0.45, 0.12, 0.23
HSL	316°, 43%, 60%
HSV	316°, 45%, 77%
XYZ	35.6703, 25.4780, 42.5729
YIQ	141.7220, 31.5830, 38.8710

# Conversions

## Conversions Part 2

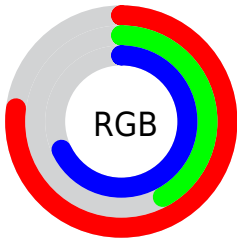
<b>Format</b>	<b>Color</b>
<b>RYB</b>	196, 108, 173
Decimal	12872877
CIELab	57.54, 43.68, -19.46
CIELCh	58, 47.818, 335.990
Yxy	25.4780, 0.3439, 0.2456
Android (android.graphics.Color)	4291062957 (0xFFC46CAD)
YUV	141.7220, 15.4201, 47.6018
Hunter-Lab	50.4757, 37.8102, -14.6741

# Details

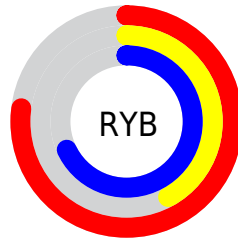
The XYZ color **35.6703, 25.4780, 42.5729** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **30.0221, 44.3074, 28.4443**, and the grayscale version is **25.5345, 26.8643, 29.2552**.

A 20% lighter version of the original color is **67.9362, 52.5686, 80.6949**, and **15.6806, 9.7843, 19.1513** is the 20% darker color. If you saturate the color by 10%, you get **33.3447, 21.6046, 39.3987**, and if you desaturate by 10%, it is **38.4812, 30.2907, 46.0031**.

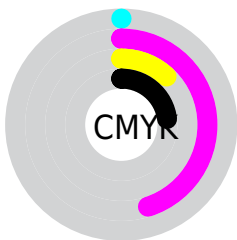
# Distribution



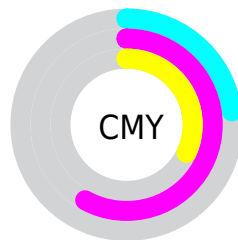
- Red (77%)
- Green (42%)
- Blue (68%)



- Red (77%)
- Yellow (42%)
- Blue (68%)



- Cyan (0%)
- Magenta (45%)
- Yellow (12%)
- Black (23%)




- Cyan (23%)
- Magenta (58%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6703, 25.4780, 42.5729 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 35.6703, 25.4780, 42.5729 by changing the saturation by 10% instead.





 35.6703, 25.4780,  
42.5729


 35.6703, 25.4780,  
42.5729


318.9736,  
280.2101, 372.7218


 24.3486, 16.4335,  
29.2212


 67.8501, 52.4316,  
80.3454


 15.7185, 9.8315,  
19.0012

 89.4389, 71.1096,  
105.6033

 9.4148, 5.2873,  
11.4943


 115.1807, 93.7675,  
135.6670

 5.0720, 2.4168,  
6.2820

 145.4410,  
120.7897, 170.9551

 2.3247, 0.8345,  
2.9458

180.5851,  
152.5607, 211.8861

 0.8073, 0.0000,  
1.0670

220.9783,

 0.0000, 0.0000,

189.4649, 258.8785

0.0000

266.9860,  
231.8865, 312.3509

■ 35.6703, 25.4780,  
42.5729

■ 35.6703, 25.4780,  
42.5729

■ 33.3447, 21.6046,  
39.3987

■ 38.4812, 30.2907,  
46.0031

■ 31.4702, 18.6037,  
36.4674

■ 41.8037, 36.0963,  
49.6985

■ 30.0119, 16.4056,  
33.7666

■ 45.6652, 42.9488,  
53.6693

■ 28.9287, 14.9282,  
31.2814

■ 50.0902, 50.8969,  
57.9247

■ 28.1705, 14.0717,  
28.9941

■ 55.1019, 59.9867,  
62.4735

■ 27.8583, 13.7731,  
27.8857

■ 60.7220, 70.2613,  
67.3239

■ 66.9712, 81.7616,  
72.4836

■ 70.6607, 88.1101,  
76.8907

■ 71.3255, 88.3760,  
80.3911

# Harmonies

## Analogous

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



31.2442, 25.4780, 61.6755



35.6703, 25.4780, 42.5729



36.8329, 25.4780, 24.5931

# Triad

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



35.6703, 25.4780, 42.5729



23.0903, 25.4780, 6.7700



16.3868, 25.4780, 50.5754

# Complementary

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



35.6703, 25.4780, 42.5729



30.0221, 44.3074, 28.4443

# 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.



14.8699, 25.4780, 31.1471



35.6703, 25.4780, 42.5729



18.3299, 25.4780, 9.3065

# Square

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



35.6703, 25.4780, 42.5729



28.9549, 25.4780, 7.8131



15.5210, 25.4780, 16.8294



20.0248, 25.4780, 67.4247



# Rectangle

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



35.6703, 25.4780, 42.5729



35.4635, 25.4780, 16.1349



15.5210, 25.4780, 16.8294



15.6403, 25.4780, 43.8939

# Sweetspot

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



35.6711, 25.4792, 42.5734



84.0075, 80.0973, 98.4916



24.5335, 19.4579, 54.6876



17.6185, 16.4961, 20.7224



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.



35.6711, 25.4792, 42.5734



60.4236, 39.1675, 71.3991



32.1577, 24.0738, 24.0723



10.3812, 10.2011, 12.0981



17.9369, 8.8645, 18.1115



0.8020, 0.3938, 0.9246



# Inverse Universe

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



35.6711, 25.4792, 42.5734



60.4236, 39.1675, 71.3991



33.5652, 45.7247, 47.1020



10.3812, 10.2011, 12.0981



17.9369, 8.8645, 18.1115



0.8020, 0.3938, 0.9246



# Previews

## White Background



This preview shows how the XYZ color 35.6703, 25.4780, 42.5729 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 35.6703, 25.4780, 42.5729 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 35.6703, 25.4780, 42.5729**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.6703, 25.4780, 42.5729.



This preview shows how white text looks on a background with the XYZ color 35.6703, 25.4780,



# 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

35.6703, 25.4780, 42.5729

### Protanopia

26.5684, 25.8513, 54.6284

### Deuteranopia

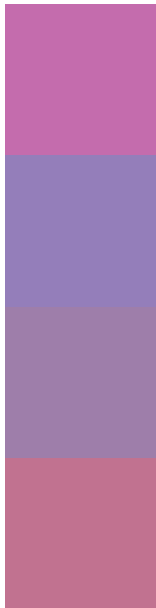
26.1886, 25.7538, 40.6365



## Tritanopia

31.7951, 25.5655, 23.3375

# Trichromacy



**Original Color**

35.6703, 25.4780, 42.5729

**Protanomaly**

28.5365, 24.7628, 49.7300

**Deuteranomaly**

28.8171, 25.0931, 41.3548

**Tritanomaly**

33.0437, 25.3857, 29.5439

# Monochromacy



**Original Color**

35.6703, 25.4780, 42.5729

**Achromatopsia**

25.7108, 27.0498, 29.4572

**Achromatomaly**

28.6327, 25.9466, 33.6361

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.6703, 25.4780, 42.5729 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, 108, 173)` looks like.

```
.text, #text, p{  
    color:rgb(196, 108, 173)  
}
```

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, 108, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 108, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 35.6703, 25.4780, 42.5729 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, 108, 173) }
```



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

```
.border{ border-color:rgb(196, 108, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 108, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 108, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 108, 173);  
box-shadow:4px 4px 4px 4px rgb(196, 108,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.6703, 25.4780, 42.5729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 108, 173) }
```

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

```
.background{ background-color: rgb(196,  
108, 173) }
```

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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