

# Converting Colors

XYZ(43.7728, 29.1306, 59.8171)

Have a look what the booklet for  
XYZ(43.7728, 29.1306, 59.8171)  
contains.

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# Color

**XYZ(43.7687, 29.1233,  
59.8144)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D66BCB
RGB	214, 107, 203
RGB Percent	84%, 42%, 80%
CMY	0.1608, 0.5804, 0.2039
CMYK	0.00, 0.50, 0.05, 0.16
HSL	306°, 57%, 63%
HSV	306°, 50%, 84%
XYZ	43.7687, 29.1233, 59.8144
YIQ	149.9370, 32.9560, 52.5400

# Conversions

## Conversions Part 2

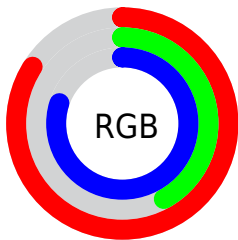
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 107, 203
Decimal	14052299
CIE <sub>Lab</sub>	60.89, 54.69, -31.23
CIE <sub>LCh</sub>	61, 62.976, 330.271
Yxy	29.1233, 0.3298, 0.2195
Android (android.graphics.Color)	4292242379 (0xFFD66BCB)
YUV	149.9370, 26.1601, 56.1833
Hunter-Lab	53.9660, 50.3305, -27.9392

# Details

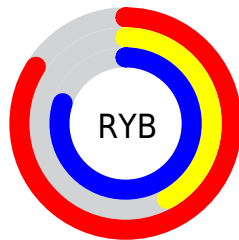
The XYZ color **43.7687, 29.1233, 59.8144** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **33.3812, 52.5279, 25.5209**, and the grayscale version is **28.8465, 30.3488, 33.0498**.

A 20% lighter version of the original color is **72.2103, 54.3207, 101.2868**, and **20.5574, 11.7940, 29.6267** is the 20% darker color. If you saturate the color by 10%, you get **41.5474, 25.0967, 57.7897**, and if you desaturate by 10%, it is **46.5477, 34.2581, 62.0439**.

# Distribution



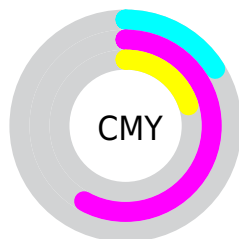
- Red (84%)
- Green (42%)
- Blue (80%)



- Red (84%)
- Yellow (42%)
- Blue (80%)



- Cyan (0%)
- Magenta (50%)
- Yellow (5%)
- Black (16%)




- Cyan (16%)
- Magenta (58%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7687, 29.1233, 59.8144 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 43.7687, 29.1233, 59.8144 by changing the saturation by 10% instead.





 43.7687, 29.1233,  
59.8144


 43.7687, 29.1233,  
59.8144


352.6317,  
297.7963, 441.6990


 30.6858, 19.1741,  
42.8447


 80.1181, 58.2729,  
106.1011


 20.5104, 11.7962,  
29.4328


 104.1153, 78.2422,  
136.2553

 12.8770, 6.6050,  
19.1601


 132.4814,  
102.3202, 171.6413

 7.4203, 3.2163,  
11.6080

 165.5817,  
130.8914, 212.6778

 3.7750, 1.2457,  
6.3581

203.7815,  
164.3403, 259.7832

 1.5756, 0.0986,  
2.9917

247.4462,

 0.3765, 0.0000,

203.0511, 313.3762

1.0904

296.9412,  
247.4083, 373.8753

■ 0.0000, 0.0000,  
0.0000

■ 43.7687, 29.1233,  
59.8144

■ 43.7687, 29.1233,  
59.8144

■ 41.5474, 25.0967,  
57.7897

■ 46.5477, 34.2581,  
62.0439

■ 39.8393, 22.0912,  
55.9541

■ 49.9188, 40.5716,  
64.4889

■ 38.5981, 20.0137,  
54.2923


■ 53.9169, 48.1332,  
67.1615


■ 37.7676, 18.7517,  
52.7856


■ 58.5734, 57.0056,  
70.0721


■ 37.2463, 18.1022,  
51.4000


■ 63.9177, 67.2475,  
73.2306

 37.2462, 18.1020,  
51.3996

 69.9773, 78.9140,  
76.6463

 76.1994, 90.8993,  
80.1349

 76.4900, 91.0156,  
81.6653

 76.7845, 91.1334,  
83.2159

# Harmonies

## Analogous

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



36.4213, 29.1233, 88.9421



43.7687, 29.1233, 59.8144



46.6482, 29.1233, 31.4972

# Triad

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



43.7687, 29.1233, 59.8144



27.6063, 29.1233, 4.5877



16.1670, 29.1233, 60.3811

# Complementary

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



43.7687, 29.1233, 59.8144



33.3812, 52.5279, 25.5209

# 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.



14.7100, 29.1233, 31.9244



43.7687, 29.1233, 59.8144



20.4642, 29.1233, 6.5037

# Square

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



43.7687, 29.1233, 59.8144



36.2663, 29.1233, 6.4297



16.1149, 29.1233, 14.1648



20.5700, 29.1233, 89.3676



# Rectangle

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



43.7687, 29.1233, 59.8144



45.2782, 29.1233, 18.4890



16.1149, 29.1233, 14.1648



15.3604, 29.1233, 50.0853

# Sweetspot

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



43.7697, 29.1246, 59.8150



83.4117, 77.7262, 101.9289



24.8272, 19.2025, 66.0169



17.5436, 16.0465, 21.6218



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.



43.7697, 29.1246, 59.8150



61.6113, 37.0107, 85.7670



38.4793, 27.0085, 31.9564



12.8954, 12.6097, 15.3896



22.5352, 10.9504, 31.1863



1.3754, 0.6670, 1.9664



# Inverse Universe

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



43.7697, 29.1246, 59.8150



61.6113, 37.0107, 85.7670



37.4809, 54.1678, 47.1095



12.8954, 12.6097, 15.3896



22.5352, 10.9504, 31.1863



1.3754, 0.6670, 1.9664



# Previews

## White Background



This preview shows how the XYZ color 43.7687, 29.1233, 59.8144 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

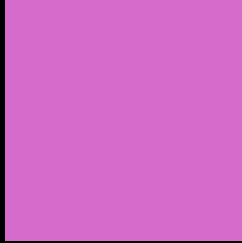
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.7687, 29.1233, 59.8144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

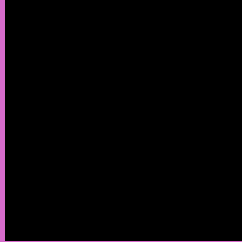
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 43.7687, 29.1233, 59.8144**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7687, 29.1233, 59.8144.



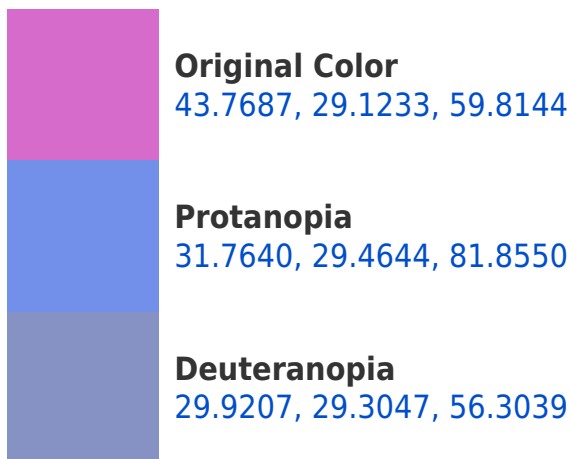
This preview shows how white text looks on a background with the XYZ color 43.7687, 29.1233,



# 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

36.7702, 28.9812, 25.8462

# Trichromacy



## Original Color

43.7687, 29.1233, 59.8144



## Protanomaly

34.0133, 28.0443, 73.4324



## Deuteranomaly

33.5294, 28.1427, 57.6977



## Tritanomaly

38.8273, 28.7465, 35.8500

# Monochromacy



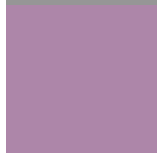
## Original Color

43.7687, 29.1233, 59.8144



## Achromatopsia

28.9890, 30.4987, 33.2131



## Achromatomaly

32.9201, 28.7990, 41.3598

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7687, 29.1233, 59.8144 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(214, 107, 203)` looks like.

```
.text, #text, p{  
    color:rgb(214, 107, 203)  
}
```

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(214, 107, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 107, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7687, 29.1233, 59.8144 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(214, 107, 203) }
```



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

```
.border{ border-color:rgb(214, 107, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 107, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 107, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 107, 203);  
box-shadow:4px 4px 4px 4px rgb(214, 107,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7687, 29.1233, 59.8144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 107, 203) }
```

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

```
.background{ background-color: rgb(214,  
107, 203) }
```

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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