

# Converting Colors

XYZ(42.0975, 24.1361, 61.4714)

Have a look what the booklet for  
XYZ(42.0975, 24.1361, 61.4714)  
contains.

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# Color

**XYZ(42.0975, 24.1361,  
61.4714)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D84BCF
RGB	216, 75, 207
RGB Percent	85%, 29%, 81%
CMY	0.1529, 0.7059, 0.1882
CMYK	0.00, 0.65, 0.04, 0.15
HSL	304°, 64%, 57%
HSV	304°, 65%, 85%
XYZ	42.0975, 24.1361, 61.4714
YIQ	132.2070, 41.6640, 70.9440

# Conversions

## Conversions Part 2

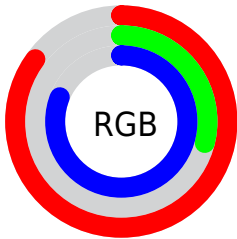
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	216, 75, 207
Decimal	14175183
CIE <sub>Lab</sub>	56.22, 69.82, -40.77
CIE <sub>LCh</sub>	56, 80.857, 329.717
Yxy	24.1361, 0.3296, 0.1890
Android (android.graphics.Color)	4292365263 (0xFFD84BCF)
YUV	132.2070, 36.8729, 73.4865
Hunter-Lab	49.1285, 66.9792, -39.7959

# Details

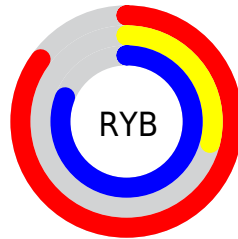
The XYZ color **42.0975, 24.1361, 61.4714** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **29.0589, 51.2488, 16.7495**, and the grayscale version is **21.8686, 23.0075, 25.0552**.

A 20% lighter version of the original color is **67.6775, 45.2551, 99.7758**, and **19.7680, 9.5361, 30.5045** is the 20% darker color. If you saturate the color by 10%, you get **40.7057, 21.6204, 60.1795**, and if you desaturate by 10%, it is **43.9897, 27.6488, 62.9378**.

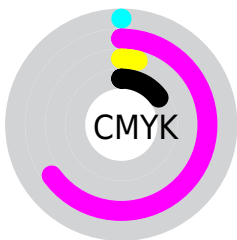
# Distribution



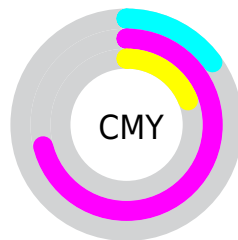
- Red (85%)
- Green (29%)
- Blue (81%)



- Red (85%)
- Yellow (29%)
- Blue (81%)



- Cyan (0%)
- Magenta (65%)
- Yellow (4%)
- Black (15%)




- Cyan (15%)
- Magenta (71%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0975, 24.1361, 61.4714 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 42.0975, 24.1361, 61.4714 by changing the saturation by 10% instead.




 42.0975, 24.1361,  
61.4714


 42.0975, 24.1361,  
61.4714


345.8717,  
273.5078, 447.9546

 29.3691, 15.4346,  
44.1727


 77.6114, 50.2522,  
108.5254


 19.5059, 9.1250,  
30.4681


 101.1276, 68.4356,  
139.1177

 12.1426, 4.8228,  
19.9391


 128.9704, 90.5484,  
174.9783

 6.9137, 2.1437,  
12.1671

 161.5053,  
116.9751, 216.5258

 3.4541, 0.6890,  
6.7337

 199.0975,  
148.1000, 264.1786

 1.3982, 0.0000,  
3.2202

242.1124,

 0.2549, 0.0000,

184.3075, 318.3553

1.2081

290.9153,  
225.9819, 379.4745

■ 0.0000, 0.0000,  
0.0000

■ 42.0975, 24.1361,  
61.4714

■ 42.0975, 24.1361,  
61.4714

■ 40.7057, 21.6204,  
60.1795

■ 43.9897, 27.6488,  
62.9378

■ 39.7588, 19.9931,  
59.0429

■ 46.4249, 32.2459,  
64.5922

■ 39.1933, 19.1260,  
58.0407

■ 49.4443, 38.0090,  
66.4487

■ 39.0051, 18.8735,  
57.5960

■ 53.0844, 45.0110,  
68.5194

■ 57.3785, 53.3189,  
70.8155

■ 62.3579, 62.9947,  
73.3473

■ 68.0515, 74.0966,  
76.1246

■ 74.4867, 86.6795,  
79.1565

■ 76.9196, 91.2553,  
80.8616

# Harmonies

## Analogous

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



32.9913, 24.1361, 100.5266



42.0975, 24.1361, 61.4714



45.8601, 24.1361, 26.5342

# Triad

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



42.0975, 24.1361, 61.4714



23.0292, 24.1361, 1.1334



10.6548, 24.1361, 60.7016

# Complementary

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



42.0975, 24.1361, 61.4714



29.0589, 51.2488, 16.7495

# 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.



9.3064, 24.1361, 26.0277



42.0975, 24.1361, 61.4714



15.1716, 24.1361, 2.1792

# Square

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



42.0975, 24.1361, 61.4714



33.1869, 24.1361, 2.2277



10.7080, 24.1361, 7.9950



15.0557, 24.1361, 99.9084



# Rectangle

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



42.0975, 24.1361, 61.4714



44.2175, 24.1361, 12.5164



10.7080, 24.1361, 7.9950



9.8924, 24.1361, 47.6106

# Sweetspot

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



42.0984, 24.1372, 61.4719



80.3630, 71.4578, 101.4402



18.3960, 11.7874, 66.2723



16.8292, 14.5761, 21.5121



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.



42.0984, 24.1372, 61.4719



58.7315, 30.5270, 87.0396



35.4563, 21.4804, 26.4950



12.9172, 12.6184, 15.5042



23.1021, 11.1772, 34.1714



1.4040, 0.6784, 2.1168



# Inverse Universe

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



42.0984, 24.1372, 61.4719



58.7315, 30.5270, 87.0396



33.1714, 52.8937, 38.4053



12.9172, 12.6184, 15.5042



23.1021, 11.1772, 34.1714



1.4040, 0.6784, 2.1168



# Previews

## White Background



This preview shows how the XYZ color 42.0975, 24.1361, 61.4714 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

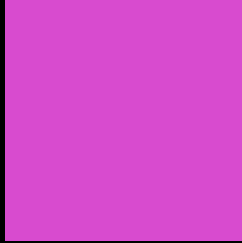
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.0975, 24.1361, 61.4714 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

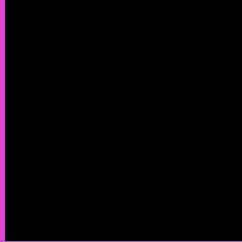
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 42.0975, 24.1361, 61.4714**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0975, 24.1361, 61.4714.



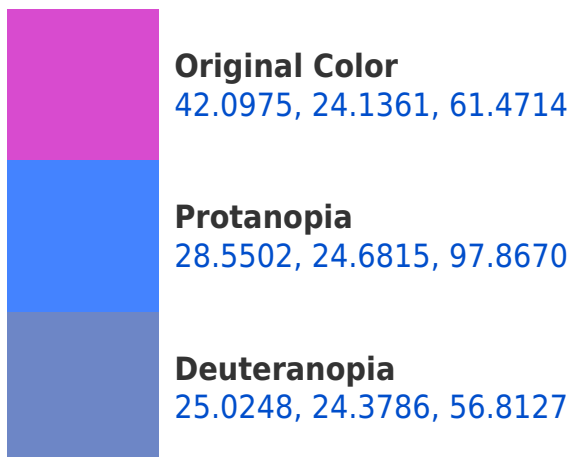
This preview shows how white text looks on a background with the XYZ color 42.0975, 24.1361,

61.4714.

# 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

32.9964, 24.0275, 17.9376

# Trichromacy



## Original Color

42.0975, 24.1361, 61.4714



## Protanomaly

29.1431, 21.6795, 83.5375



## Deuteranomaly

28.6605, 22.3232, 58.0566



## Tritanomaly

35.3972, 23.4593, 29.8566

# Monochromacy



## Original Color

42.0975, 24.1361, 61.4714



## Achromatopsia

21.9318, 23.0740, 25.1276



## Achromatomaly

27.0467, 21.6586, 35.5559

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0975, 24.1361, 61.4714 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(216, 75, 207)` looks like.

```
.text, #text, p{  
    color:rgb(216, 75, 207)  
}
```

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(216, 75, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 75, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0975, 24.1361, 61.4714 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(216, 75, 207) }
```



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

```
.border{ border-color:rgb(216, 75, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 75, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 75, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 75, 207);  
box-shadow:4px 4px 4px 4px rgb(216, 75,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0975, 24.1361, 61.4714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 75, 207) }
```

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

```
.background{ background-color: rgb(216, 75,  
207) }
```

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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