

# Converting Colors

XYZ(42.0075, 24.9002, 30.1601)

Have a look what the booklet for  
XYZ(42.0075, 24.9002, 30.1601)  
contains.

<b>XYZ(42.1119, 24.9376, 30.1977)</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(42.1119, 24.9376,  
30.1977)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB4C93
RGB	235, 76, 147
RGB Percent	92%, 30%, 58%
CMY	0.0784, 0.7019, 0.4235
CMYK	0.00, 0.68, 0.37, 0.08
HSL	333°, 80%, 61%
HSV	333°, 68%, 92%
XYZ	42.1119, 24.9376, 30.1977
YIQ	131.6350, 71.9730, 55.7890

# Conversions

## Conversions Part 2

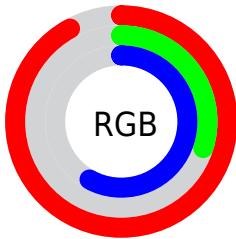
Format	Color
R <sub>Y</sub> B	235, 76, 147
Decimal	15420563
CIE Lab	57.01, 66.46, -4.54
CIE LCh	57, 66.613, 356.092
Yxy	24.9376, 0.4330, 0.2564
Android (android.graphics.Color)	4293610643 (0xFFEB4C93)
YUV	131.6350, 7.5749, 90.6511
Hunter-Lab	49.9376, 63.1367, -0.8969

# Details

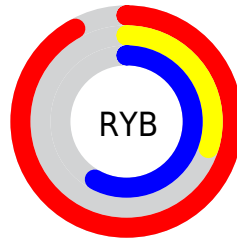
The XYZ color **42.1119, 24.9376, 30.1977** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **39.3912, 63.6343, 45.3326**, and the grayscale version is **21.7576, 22.8907, 24.9280**.

A 20% lighter version of the original color is **60.3077, 42.5272, 60.2884**, and **19.6132, 9.8617, 12.1790** is the 20% darker color. If you saturate the color by 10%, you get **39.8145, 21.8849, 24.6777**, and if you desaturate by 10%, it is **45.1171, 29.2210, 36.5235**.

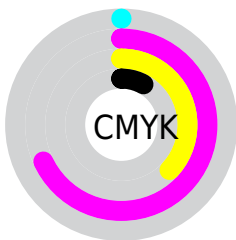
# Distribution



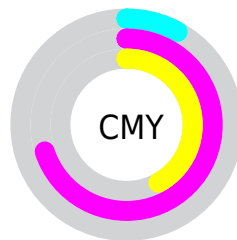
- Red (92%)
- Green (30%)
- Blue (58%)



- Red (92%)
- Yellow (30%)
- Blue (58%)



- Cyan (0%)
- Magenta (68%)
- Yellow (37%)
- Black (8%)




- Cyan (8%)
- Magenta (70%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1119, 24.9376, 30.1977 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 42.1119, 24.9376, 30.1977 by changing the saturation by 10% instead.




 42.1119, 24.9376,  
30.1977


 42.1119, 24.9376,  
30.1977

345.9303,  
277.5270, 317.0608

 29.3804, 16.0306,  
19.7354


 77.6331, 51.5560,  
61.0394


 19.5145, 9.5458,  
12.0207


 101.1534, 70.0361,  
82.2558


 12.1488, 5.0989,  
6.6350

 129.0008, 92.4761,  
107.8940

 6.9180, 2.3054,  
3.1600

 161.5406,  
119.2602, 138.3726

 3.4568, 0.7766,  
1.1769

 199.1380,  
150.7730, 174.1100

 1.3997, 0.0000,  
0.0000

242.1586,

 0.2560, 0.0000,

187.3988, 215.5248

0.0000

290.9676,  
229.5220, 263.0356

■ 0.0000, 0.0000,  
0.0000

■ 42.1119, 24.9376,  
30.1977

■ 42.1119, 24.9376,  
30.1977

■ 39.8145, 21.8849,  
24.6777

■ 45.1171, 29.2210,  
36.5235

■ 38.1510, 19.9215,  
19.9193

■ 48.8894, 34.8481,  
43.6921

■ 37.0265, 18.8641,  
15.8713


■ 53.4838, 41.9234,  
51.7395


■ 36.8073, 18.6807,  
15.0117


■ 58.9496, 50.5399,  
60.6984

■ 65.3319, 60.7829,  
70.5997

 72.6727, 72.7312,  
81.4728

 81.0111, 86.4586,  
93.3454

 87.4425, 96.1508,  
105.2636

 88.0710, 96.4022,  
108.5734

# Harmonies

## Analogous

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



38.5160, 24.9376, 58.9950



42.1119, 24.9376, 30.1977



39.9513, 24.9376, 12.2649

# Triad

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



42.1119, 24.9376, 30.1977



17.6801, 24.9376, 3.9241



16.2587, 24.9376, 80.9356

# Complementary

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



42.1119, 24.9376, 30.1977



39.3912, 63.6343, 45.3326

# 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.



12.5923, 24.9376, 50.8645



42.1119, 24.9376, 30.1977



13.2772, 24.9376, 9.5067

# Square

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



42.1119, 24.9376, 30.1977



24.7431, 24.9376, 2.8567



11.6345, 24.9376, 24.3198



22.6914, 24.9376, 96.8532



# Rectangle

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



42.1119, 24.9376, 30.1977



35.7470, 24.9376, 6.4329



11.6345, 24.9376, 24.3198



14.7220, 24.9376, 71.5500

# Sweetspot

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



42.1126, 24.9389, 30.1981



76.6666, 69.9792, 81.9748



32.7779, 19.0029, 80.5378



15.9378, 14.2195, 16.8178



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.



42.1126, 24.9389, 30.1981



47.0992, 25.3244, 27.4792



38.7330, 24.5184, 9.5302



15.3450, 15.1658, 17.1020



20.5470, 10.4215, 8.6820



1.6612, 0.8375, 0.9334



# Inverse Universe

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



42.1126, 24.9389, 30.1981



47.0992, 25.3244, 27.4792



45.4596, 62.5009, 88.2654



15.3450, 15.1658, 17.1020



20.5470, 10.4215, 8.6820



1.6612, 0.8375, 0.9334



# Previews

## White Background



This preview shows how the XYZ color 42.1119, 24.9376, 30.1977 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

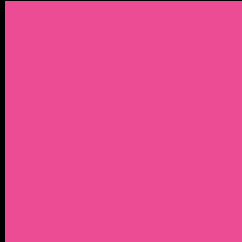
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.1119, 24.9376, 30.1977 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

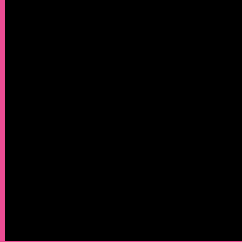
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 42.1119, 24.9376, 30.1977**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.1119, 24.9376, 30.1977.



This preview shows how white text looks on a background with the XYZ color 42.1119, 24.9376,



# 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

42.1119, 24.9376, 30.1977

### Protanopia

25.7295, 25.3221, 49.4305

### Deuteranopia

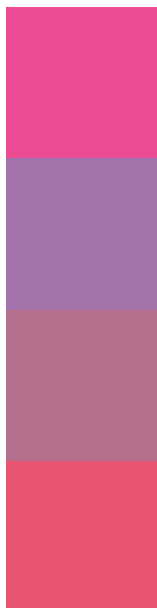
25.6254, 25.1232, 27.9247



## Tritanopia

38.5478, 24.9418, 13.3722

# Trichromacy



## Original Color

42.1119, 24.9376, 30.1977

## Protanomaly

28.6778, 22.8674, 41.4304

## Deuteranomaly

29.7327, 23.3651, 28.5340

## Tritanomaly

39.4297, 24.6887, 18.3100

# Monochromacy



## Original Color

42.1119, 24.9376, 30.1977

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

26.6717, 21.8295, 26.4747

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.1119, 24.9376, 30.1977 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(235, 76, 147)` looks like.

```
.text, #text, p{  
    color:rgb(235, 76, 147)  
}
```

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(235, 76, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 76, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 42.1119, 24.9376, 30.1977 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(235, 76, 147) }
```



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

```
.border{ border-color:rgb(235, 76, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 76, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 76, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 76, 147);  
box-shadow:4px 4px 4px 4px rgb(235, 76,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.1119, 24.9376, 30.1977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 76, 147) }
```

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

```
.background{ background-color: rgb(235, 76,  
147) }
```

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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