

# Converting Colors

XYZ(48.4371, 24.3752, 54.6485)

Have a look what the booklet for  
XYZ(48.4371, 24.3752, 54.6485)  
contains.

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# Color

**XYZ(48.3392, 24.3171,  
54.3705)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F61AC4
RGB	246, 26, 196
RGB Percent	96%, 10%, 77%
CMY	0.0353, 0.8979, 0.2314
CMYK	0.00, 0.89, 0.20, 0.04
HSL	314°, 92%, 53%
HSV	314°, 89%, 96%
XYZ	48.3392, 24.3171, 54.3705
YIQ	111.1600, 76.5500, 99.5100

# Conversions

## Conversions Part 2

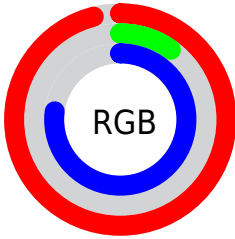
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 26, 196
Decimal	16128708
CIE Lab	56.40, 87.02, -33.84
CIE LCh	56, 93.369, 338.752
Yxy	24.3171, 0.3805, 0.1914
Android (android.graphics.Color)	4294318788 (0xFFFF61AC4)
YUV	111.1600, 41.8261, 118.2547
Hunter-Lab	49.3124, 88.6807, -30.8529

# Details

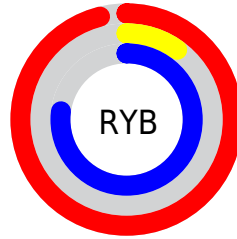
The XYZ color **48.3392, 24.3171, 54.3705** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **34.6880, 66.6540, 17.8793**, and the grayscale version is **15.0267, 15.8093, 17.2163**.

A 20% lighter version of the original color is **64.2273, 38.8672, 97.0455**, and **24.8901, 12.2673, 26.6472** is the 20% darker color. If you saturate the color by 10%, you get **47.3607, 23.3595, 50.9625**, and if you desaturate by 10%, it is **49.7861, 26.1729, 58.0520**.

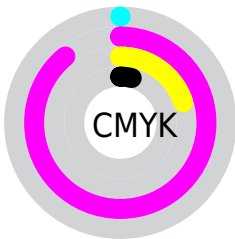
# Distribution



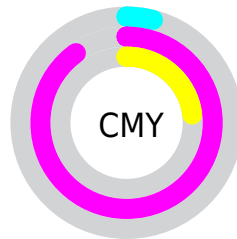
- Red (96%)
- Green (10%)
- Blue (77%)



- Red (96%)
- Yellow (10%)
- Blue (77%)



- Cyan (0%)
- Magenta (89%)
- Yellow (20%)
- Black (4%)




- Cyan (4%)
- Magenta (90%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3392, 24.3171, 54.3705 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 48.3392, 24.3171, 54.3705 by changing the saturation by 10% instead.




 48.3392, 24.3171,  
54.3705


 48.3392, 24.3171,  
54.3705

370.6953,  
274.4197, 420.7358


 34.3080, 15.5690,  
38.5028


 86.9159, 50.5472,  
98.0799


 23.2943, 9.2197,  
26.0683


 112.1920, 68.7979,  
126.7587


 14.9328, 4.8848,  
16.6485


 141.9471, 90.9851,  
160.5448

 8.8583, 2.1798,  
9.8249

 176.5466,  
117.4929, 199.8569

 4.7052, 0.7090,  
5.1789

 216.3558,  
148.7059, 245.1135

 2.1083, 0.0000,  
2.2921

261.7401,

 0.6937, 0.0000,

185.0085, 296.7332

0.7268

313.0648,  
226.7849, 355.1344

■ 0.0000, 0.0000,  
0.0000

■ 48.3392, 24.3171,  
54.3705

■ 48.3392, 24.3171,  
54.3705

■ 47.3607, 23.3595,  
50.9625

■ 49.7861, 26.1729,  
58.0520

■ 47.3098, 23.3143,  
50.7705

■ 51.8226, 29.1697,  
62.0482

■ 54.5284, 33.4665,  
66.3870

■ 57.9702, 39.1963,  
71.0918

■ 62.2066, 46.4754,  
76.1833

67.2898, 55.4084,  
81.6802

73.2677, 66.0906,  
87.5995

80.1846, 78.6100,  
93.9571

88.0817, 93.0488,  
100.7679

# Harmonies

## Analogous

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



38.6813, 24.3171, 105.0880



48.3392, 24.3171, 54.3705



50.2756, 24.3171, 18.4268

# Triad

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



48.3392, 24.3171, 54.3705



20.0976, 24.3171, 0.3472



10.4160, 24.3171, 83.7935

# Complementary

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



48.3392, 24.3171, 54.3705



34.6880, 66.6540, 17.8793

# 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.



8.0749, 24.3171, 36.5853



48.3392, 24.3171, 54.3705



12.4075, 24.3171, 1.9159

# Square

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



48.3392, 24.3171, 54.3705



31.4749, 24.3171, 0.7149



8.6685, 24.3171, 10.2555



16.3806, 24.3171, 129.4182



# Rectangle

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



48.3392, 24.3171, 54.3705



46.4867, 24.3171, 6.9480



8.6685, 24.3171, 10.2555



9.2791, 24.3171, 66.5700

# Sweetspot

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



48.3400, 24.3184, 54.3709



74.4624, 62.6938, 90.1096



19.8045, 8.8372, 87.8511



15.4945, 12.6318, 18.8316



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.



48.3400, 24.3184, 54.3709



51.3225, 25.2930, 55.0237



40.1522, 21.0433, 11.2545



17.0430, 16.7001, 19.9731



25.3079, 12.4666, 27.3933



2.2628, 1.1111, 2.6101



# Inverse Universe

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



48.3400, 24.3184, 54.3709



51.3225, 25.2930, 55.0237



42.0002, 69.5788, 56.3850



17.0430, 16.7001, 19.9731



25.3079, 12.4666, 27.3933



2.2628, 1.1111, 2.6101



# Previews

## White Background



This preview shows how the XYZ color 48.3392, 24.3171, 54.3705 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

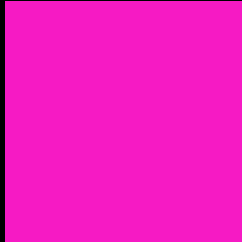
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.3392, 24.3171, 54.3705 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 48.3392, 24.3171, 54.3705**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.3392, 24.3171, 54.3705.



This preview shows how white text looks on a background with the XYZ color 48.3392, 24.3171,



# 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

48.3392, 24.3171, 54.3705

### Protanopia

28.7555, 24.9877, 97.9153

### Deuteranopia

25.2029, 24.6485, 48.7767



## Tritanopia

39.3939, 24.3819, 11.0174

# Trichromacy



## Original Color

48.3392, 24.3171, 54.3705



## Protanomaly

28.4385, 18.7558, 79.9633



## Deuteranomaly

29.1057, 20.0307, 49.9092



## Tritanomaly

41.2527, 23.2377, 21.7131

# Monochromacy



## Original Color

48.3392, 24.3171, 54.3705



## Achromatopsia

15.1092, 15.8961, 17.3108



## Achromatomaly

22.2484, 15.1639, 27.3455

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.3392, 24.3171, 54.3705 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(246, 26, 196)` looks like.

```
.text, #text, p{  
    color:rgb(246, 26, 196)  
}
```

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(246, 26, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 26, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 48.3392, 24.3171, 54.3705 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(246, 26, 196) }
```



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

```
.border{ border-color:rgb(246, 26, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 26, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 26, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 26, 196);  
box-shadow:4px 4px 4px 4px rgb(246, 26,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.3392, 24.3171, 54.3705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 26, 196) }
```

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

```
.background{ background-color: rgb(246, 26,  
196) }
```

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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