

# Converting Colors

XYZ(50.8012, 37.0888, 65.7218)

Have a look what the booklet for  
XYZ(50.8012, 37.0888, 65.7218)  
contains.

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# Color

**XYZ(50.6246, 37.0030,  
65.4468)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E084D2
RGB	224, 132, 210
RGB Percent	88%, 52%, 82%
CMY	0.1216, 0.4823, 0.1765
CMYK	0.00, 0.41, 0.06, 0.12
HSL	309°, 60%, 70%
HSV	309°, 41%, 88%
XYZ	50.6246, 37.0030, 65.4468
YIQ	168.4000, 29.7940, 43.7620

# Conversions

## Conversions Part 2

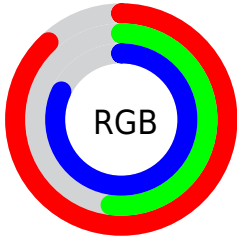
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 132, 210
Decimal	14714066
CIE <sub>Lab</sub>	67.28, 46.34, -25.20
CIE <sub>LCh</sub>	67, 52.749, 331.460
Yxy	37.0030, 0.3307, 0.2417
Android (android.graphics.Color)	4292904146 (0xFFE084D2)
YUV	168.4000, 20.5088, 48.7612
Hunter-Lab	60.8301, 42.1003, -21.2088

# Details

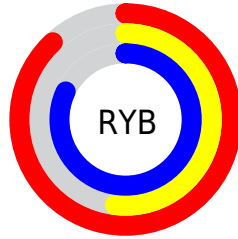
The XYZ color **50.6246, 37.0030, 65.4468** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **41.3613, 60.2934, 36.6544**, and the grayscale version is **37.3092, 39.2521, 42.7456**.

A 20% lighter version of the original color is **77.0603, 64.0206, 102.9034**, and **24.6487, 16.1740, 32.8331** is the 20% darker color. If you saturate the color by 10%, you get **47.4869, 31.3994, 62.3280**, and if you desaturate by 10%, it is **54.4258, 43.9177, 68.8322**.

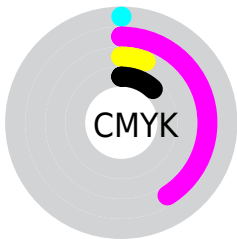
# Distribution



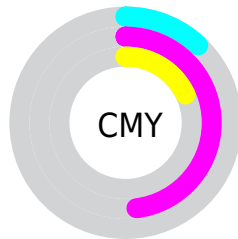
- Red (88%)
- Green (52%)
- Blue (82%)



- Red (88%)
- Yellow (52%)
- Blue (82%)



- Cyan (0%)
- Magenta (41%)
- Yellow (6%)
- Black (12%)




- Cyan (12%)
- Magenta (48%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6246, 37.0030, 65.4468 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 50.6246, 37.0030, 65.4468 by changing the saturation by 10% instead.




 50.6246, 37.0030,  
65.4468


 50.6246, 37.0030,  
65.4468


379.5152,  
333.3235, 462.7459


 36.1298, 25.2098,  
47.3698


 90.2859, 70.5774,  
114.3114

 24.7050, 16.2334,  
32.9717


 116.1831, 93.1274,  
145.9361

 15.9850, 9.6895,  
21.8338


 146.6118,  
120.0318, 182.9138

 9.6043, 5.1936,  
13.5377

181.9374,  
151.6750, 225.6630

 5.1976, 2.3613,  
7.6648

222.5251,  
188.4414, 274.6023

 2.3996, 0.8059,  
3.7965

268.7405,

 0.8449, 0.0000,

230.7153, 330.1502

1.5144

320.9487,  
278.8812, 392.7252

■ 0.0000, 0.0000,  
0.2286

■ 0.0000, 0.0000,  
0.0000

■ 50.6246, 37.0030,  
65.4468

■ 50.6246, 37.0030,  
65.4468

■ 47.4869, 31.3994,  
62.3280

■ 54.4258, 43.9177,  
68.8322

■ 44.9670, 27.0177,  
59.4591


■ 58.9254, 52.2154,  
72.4949


■ 43.0189, 23.7653,  
56.8248


■ 64.1601, 61.9685,  
76.4479


■ 41.5886, 21.5344,  
54.4071


■ 70.1629, 73.2431,  
80.7023


 40.6118, 20.1962,  
52.1840


 76.9648, 86.1011,  
85.2688

 40.0254, 19.5613,  
50.3305

 80.8477, 93.1062,  
88.9082

 81.3325, 93.3002,  
91.4613

 81.8268, 93.4979,  
94.0639

 82.3305, 93.6993,  
96.7164

# Harmonies

## Analogous

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



43.8984, 37.0030, 91.2761



50.6246, 37.0030, 65.4468



53.0581, 37.0030, 39.1695

# Triad

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



50.6246, 37.0030, 65.4468



34.7768, 37.0030, 10.2069



23.5332, 37.0030, 68.1913

# Complementary

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



50.6246, 37.0030, 65.4468



41.3613, 60.2934, 36.6544

# 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.



21.8361, 37.0030, 41.4316



50.6246, 37.0030, 65.4468



27.6832, 37.0030, 13.0427

# Square

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



50.6246, 37.0030, 65.4468



43.1102, 37.0030, 12.5167



23.2324, 37.0030, 22.5806



28.2704, 37.0030, 93.2410



# Rectangle

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



50.6246, 37.0030, 65.4468



51.6633, 37.0030, 26.1306



23.2324, 37.0030, 22.5806



22.6240, 37.0030, 58.8160

# Sweetspot

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



50.6258, 37.0047, 65.4476



85.3125, 81.7103, 102.0000



33.5261, 27.9790, 74.1553



18.0531, 17.1021, 21.6791



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.



50.6258, 37.0047, 65.4476



64.3673, 43.2938, 84.3090



45.7121, 35.0392, 39.5726



14.2007, 13.8979, 16.8269



23.3318, 11.3997, 29.4768



1.6418, 0.8000, 2.1727



# Inverse Universe

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



50.6258, 37.0047, 65.4476



64.3673, 43.2938, 84.3090



45.6651, 62.0149, 59.3179



14.2007, 13.8979, 16.8269



23.3318, 11.3997, 29.4768



1.6418, 0.8000, 2.1727



# Previews

## White Background



This preview shows how the XYZ color 50.6246, 37.0030, 65.4468 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

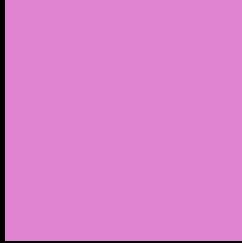
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.6246, 37.0030, 65.4468 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

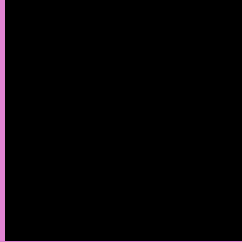
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.6246, 37.0030, 65.4468**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.6246, 37.0030, 65.4468.



This preview shows how white text looks on a background with the XYZ color 50.6246, 37.0030,

65.4468.

# 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

50.6246, 37.0030, 65.4468

### Protanopia

38.6411, 37.4176, 81.5296

### Deuteranopia

38.0624, 37.2684, 62.9450



## Tritanopia

44.4213, 37.0313, 35.3784

# Trichromacy



## Original Color

50.6246, 37.0030, 65.4468



## Protanomaly

41.5344, 36.2857, 75.3357



## Deuteranomaly

41.6973, 36.3850, 63.8568



## Tritanomaly

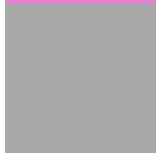
46.5333, 37.0278, 44.7389

# Monochromacy



## Original Color

50.6246, 37.0030, 65.4468



## Achromatopsia

37.2190, 39.1572, 42.6422



## Achromatomaly

41.0076, 37.5530, 49.8869

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.6246, 37.0030, 65.4468 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(224, 132, 210)` looks like.

```
.text, #text, p{  
    color:rgb(224, 132, 210)  
}
```

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(224, 132, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 132, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 50.6246, 37.0030, 65.4468 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(224, 132, 210) }
```



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

```
.border{ border-color:rgb(224, 132, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 132, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 132, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 132, 210);  
box-shadow:4px 4px 4px 4px rgb(224, 132,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.6246, 37.0030, 65.4468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 132, 210) }
```

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

```
.background{ background-color: rgb(224,  
132, 210) }
```

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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