

# Converting Colors

XYZ(49.2647, 49.5264, 66.6375)

Have a look what the booklet for  
XYZ(49.2647, 49.5264, 66.6375)  
contains.

<b>XYZ(49.2647, 49.5264, 66.6375)</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(49.2647, 49.5264,  
66.6375)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCB8D0
RGB	188, 184, 208
RGB Percent	74%, 72%, 82%
CMY	0.2627, 0.2784, 0.1843
CMYK	0.10, 0.12, 0.00, 0.18
HSL	250°, 20%, 77%
HSV	250°, 12%, 82%
XYZ	49.2647, 49.5264, 66.6375
YIQ	187.9320, -5.3200, 8.3120

# Conversions

## Conversions Part 2

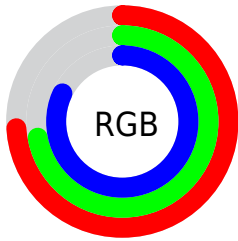
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	188, 184, 208
Decimal	12368080
CIE Lab	75.78, 6.05, -11.57
CIE LCh	76, 13.052, 297.594
Yxy	49.5264, 0.2978, 0.2994
Android (android.graphics.Color)	4290558160 (0xFFBCB8D0)
YUV	187.9320, 9.8935, 0.0596
Hunter-Lab	70.3750, 1.7993, -6.8787

# Details

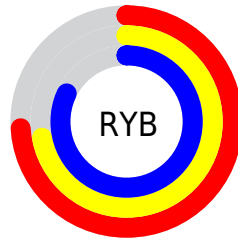
The XYZ color **49.2647, 49.5264, 66.6375** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.1112, 61.4111, 54.2459**, and the grayscale version is **47.7104, 50.1950, 54.6624**.

A 20% lighter version of the original color is **86.5183, 88.7733, 107.1827**, and **23.9407, 23.7166, 33.8878** is the 20% darker color. If you saturate the color by 10%, you get **41.2409, 39.4416, 65.1146**, and if you desaturate by 10%, it is **58.4398, 61.1504, 68.3983**.

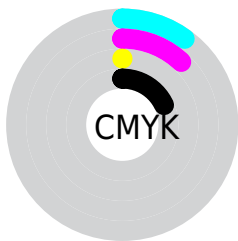
# Distribution



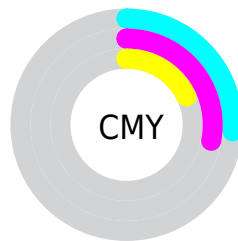
- Red (74%)
- Green (72%)
- Blue (82%)



- Red (74%)
- Yellow (72%)
- Blue (82%)



- Cyan (10%)
- Magenta (12%)
- Yellow (0%)
- Black (18%)



- Cyan (26%)
- Magenta (28%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2647, 49.5264, 66.6375 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 49.2647, 49.5264, 66.6375 by changing the saturation by 10% instead.



■ 49.2647, 49.5264,  
66.6375

■ 49.2647, 49.5264,  
66.6375

374.2832,  
384.8110, 467.1197

■ 35.0449, 35.0372,  
48.3303

■ 88.2828, 89.4728,  
116.0365

■ 23.8641, 23.6916,  
33.7267

113.8119,  
115.6988, 147.9655

■ 15.3571, 15.1050,  
22.4081

143.8414,  
146.6058, 185.2722

■ 9.1583, 8.8931,  
13.9559

178.7367,  
182.5784, 228.3751

■ 4.9025, 4.6715,  
7.9516

218.8631,  
224.0007, 277.6927

■ 2.2243, 2.0558,  
3.9767

264.5861,

■ 0.7555, 0.6396,

271.2574, 333.6437

1.6125

316.2710,  
324.7327, 396.6465

■ 0.0000, 0.0000,  
0.2997

■ 0.0000, 0.0000,  
0.0000

■ 49.2647, 49.5264,  
66.6375

■ 49.2647, 49.5264,  
66.6375

■ 41.2409, 39.4416,  
65.1146

■ 58.4398, 61.1504,  
68.3983

■ 34.3181, 30.8252,  
63.8163

■ 68.8047, 74.3679,  
70.4033

■ 28.4491, 23.6101,  
62.7330

■ 80.4019, 89.2386,  
72.6624

■ 23.5813, 17.7215,  
61.8530

■ 88.3853, 97.3341,  
73.8042

■ 19.6577, 13.0776,  
61.1634

■ 16.6151, 9.5874,  
60.6501

■ 14.3826, 7.1475,  
60.2968

■ 12.8774, 5.6350,  
60.0842

■ 12.0666, 4.9054,  
59.9861

# Harmonies

## Analogous

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



46.8780, 49.5264, 68.3869



49.2647, 49.5264, 66.6375



51.1177, 49.5264, 61.3979

# Triad

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



49.2647, 49.5264, 66.6375



49.6148, 49.5264, 43.4263



42.5699, 49.5264, 53.3675

# Complementary

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



49.2647, 49.5264, 66.6375



56.1112, 61.4111, 54.2459

# 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.



43.2482, 49.5264, 47.0860



49.2647, 49.5264, 66.6375



47.2692, 49.5264, 41.6622

# Square

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



49.2647, 49.5264, 66.6375



51.3246, 49.5264, 47.9781



44.9480, 49.5264, 42.9432



43.0636, 49.5264, 60.3459



# Rectangle

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



49.2647, 49.5264, 66.6375



51.7721, 49.5264, 56.8438



44.9480, 49.5264, 42.9432



42.6679, 49.5264, 51.1095

# Sweetspot

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



49.2662, 49.5285, 66.6386



90.3511, 94.0266, 107.9947



52.8419, 58.1219, 68.1088



19.0763, 19.7923, 23.0648



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.



49.2662, 49.5285, 66.6386



74.5883, 74.0870, 104.9767



52.2400, 51.0615, 66.7778



11.3446, 11.5110, 14.8676



7.5758, 3.0857, 37.3888



0.4818, 0.2026, 2.0933



# Inverse Universe

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



54.0536, 52.0526, 64.3272



83.7570, 78.9226, 100.4849



53.0488, 59.8324, 54.1026



12.2227, 11.9738, 14.4486



20.9655, 10.2590, 25.7881



1.1953, 0.5828, 1.5631



# Previews

## White Background



This preview shows how the XYZ color 49.2647, 49.5264, 66.6375 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

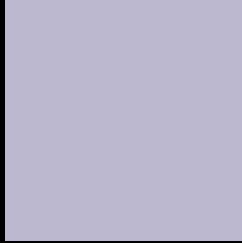
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.2647, 49.5264, 66.6375 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

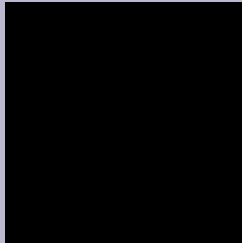
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.2647, 49.5264, 66.6375**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.2647, 49.5264, 66.6375.



This preview shows how white text looks on a background with the XYZ color 49.2647, 49.5264,



# 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

49.2647, 49.5264, 66.6375

### Protanopia

48.3860, 49.3687, 67.3005

### Deuteranopia

50.6188, 49.6121, 66.5827



## Tritanopia

48.2678, 49.4328, 61.6411

# Trichromacy



## Original Color

49.2647, 49.5264, 66.6375

## Protanomaly

48.8652, 49.6157, 67.3229

## Deuteranomaly

50.0569, 49.6275, 66.6153

## Tritanomaly

48.6220, 49.5745, 63.5061

# Monochromacy



## Original Color

49.2647, 49.5264, 66.6375

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

48.3597, 50.1721, 58.7651

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.2647, 49.5264, 66.6375 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(188, 184, 208)` looks like.

```
.text, #text, p{  
    color:rgb(188, 184, 208)  
}
```

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(188, 184, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 184, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 49.2647, 49.5264, 66.6375 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(188, 184, 208) }
```



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

```
.border{ border-color:rgb(188, 184, 208) }
```

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

Here you see how a box with a 4 pixel rgb(188, 184, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 184, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 184, 208);  
box-shadow:4px 4px 4px 4px rgb(188, 184,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.2647, 49.5264, 66.6375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 184, 208) }
```

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

```
.background{ background-color: rgb(188,  
184, 208) }
```

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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