

# Converting Colors

XYZ(42.8237, 46.2060, 66.3361)

Have a look what the booklet for  
XYZ(42.8237, 46.2060, 66.3361)  
contains.

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# Color

**XYZ(42.8237, 46.2060,  
66.3361)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FB8D0
RGB	159, 184, 208
RGB Percent	62%, 72%, 82%
CMY	0.3765, 0.2784, 0.1843
CMYK	0.24, 0.12, 0.00, 0.18
HSL	209°, 34%, 72%
HSV	209°, 24%, 82%
XYZ	42.8237, 46.2060, 66.3361
YIQ	179.2610, -22.6040, 2.1640

# Conversions

## Conversions Part 2

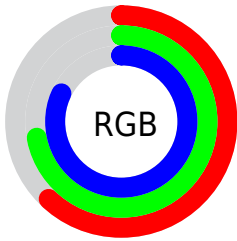
Format	Color
<b>RYB</b>	159, 176, 208
Decimal	10467536
CIELab	73.68, -3.24, -14.93
CIELCh	74, 15.276, 257.771
Yxy	46.2060, 0.2756, 0.2974
Android (android.graphics.Color)	4288657616 (0xFF9FB8D0)
YUV	179.2610, 14.1683, -17.7689
Hunter-Lab	67.9750, -6.5027, -10.2780

# Details

The XYZ color **42.8237, 46.2060, 66.3361** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.2043, 49.7801, 39.8170**, and the grayscale version is **42.9234, 45.1588, 49.1779**.

A 20% lighter version of the original color is **76.9416, 83.8363, 106.7345**, and **20.0124, 21.6915, 33.7040** is the 20% darker color. If you saturate the color by 10%, you get **37.0007, 40.1761, 65.4799**, and if you desaturate by 10%, it is **49.4960, 52.9022, 67.2777**.

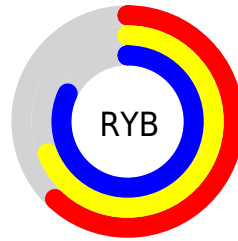
# Distribution



Red (62%)

Green (72%)

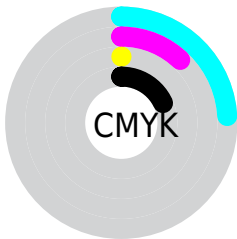
Blue (82%)



Red (62%)

Yellow (69%)

Blue (82%)

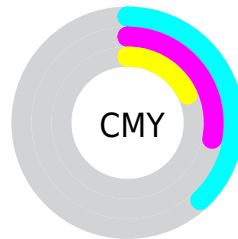


Cyan (24%)

Magenta (12%)

Yellow (0%)

Black (18%)



Cyan (38%)

Magenta (28%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8237, 46.2060, 66.3361 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 42.8237, 46.2060, 66.3361 by changing the saturation by 10% instead.



■ 42.8237, 46.2060,  
66.3361

■ 42.8237, 46.2060,  
66.3361

348.8200,  
371.6362, 466.0149

■ 29.9407, 32.4084,  
48.0871

■ 78.7021, 84.5272,  
115.6002

■ 19.9415, 21.6736,  
33.5354

■ 102.4283,  
109.8196, 147.4523

■ 12.4605, 13.6173,  
22.2624

130.4996,  
139.7124, 184.6760

■ 7.1325, 7.8550,  
13.8497

163.2813,  
174.5900, 227.6896

■ 3.5922, 4.0023,  
7.8786

201.1389,  
214.8368, 276.9118

■ 1.4741, 1.6748,  
3.9307

244.4376,

■ 0.3081, 0.4073,

260.8372, 332.7610

1.5874

293.5429,  
312.9755, 395.6559

■ 0.0000, 0.0000,  
0.2818

■ 0.0000, 0.0000,  
0.0000

■ 42.8237, 46.2060,  
66.3361

■ 42.8237, 46.2060,  
66.3361

■ 37.0007, 40.1761,  
65.4799

■ 49.4960, 52.9022,  
67.2777

■ 31.9849, 34.7827,  
64.7032

■ 57.0487, 60.2821,  
68.3041

■ 27.7367, 30.0015,  
64.0043

■ 65.5165, 68.3689,  
69.4187

■ 24.2111, 25.8045,  
63.3800

■ 74.9309, 77.1833,  
70.6239

■ 21.3580, 22.1605,  
62.8270

■ 82.3159, 85.1954,  
71.7811

■ 19.1201, 19.0345,  
62.3416

■ 85.3156, 91.1946,  
72.7810

■ 17.4285, 16.3853,  
61.9194

■ 88.3853, 97.3341,  
73.8042

■ 16.5530, 14.8895,  
61.6768

# Harmonies

## Analogous

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



40.5101, 46.2060, 62.1793



42.8237, 46.2060, 66.3361



45.5258, 46.2060, 65.8885

# Triad

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



42.8237, 46.2060, 66.3361



49.0646, 46.2060, 45.8952



40.1738, 46.2060, 40.9391

# Complementary

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



42.8237, 46.2060, 66.3361



49.2043, 49.7801, 39.8170

# 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.



42.3474, 46.2060, 37.4045



42.8237, 46.2060, 66.3361



47.5106, 46.2060, 40.0571

# Square

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



42.8237, 46.2060, 66.3361



49.2050, 46.2060, 53.5357



45.0296, 46.2060, 37.0991



39.0229, 46.2060, 47.2174



# Rectangle

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



42.8237, 46.2060, 66.3361



47.1843, 46.2060, 63.0422



45.0296, 46.2060, 37.0991



40.8049, 46.2060, 39.4199

# Sweetspot

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



42.8251, 46.2079, 66.3372



86.0594, 91.3189, 107.6982



45.3691, 55.8893, 53.0245



18.2616, 19.3914, 23.0304



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

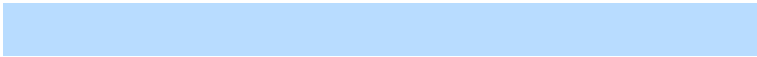


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.8251, 46.2079, 66.3372



63.3230, 68.5641, 104.5045



38.2232, 37.0041, 64.8032



11.6552, 12.4007, 15.0229



10.4137, 9.4740, 38.4723



0.6616, 0.6884, 2.1776



# Inverse Universe

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



47.0634, 41.6679, 50.9117



71.2200, 60.5440, 75.6647



54.6285, 60.6285, 41.6251



12.0569, 11.9075, 13.5753



17.8871, 9.0277, 9.5775

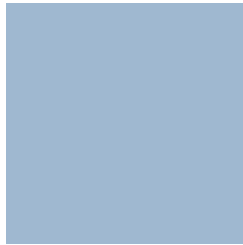


1.0402, 0.5208, 0.7464



# Previews

## White Background



This preview shows how the XYZ color 42.8237, 46.2060, 66.3361 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

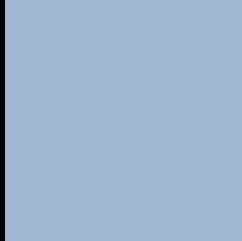
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.8237, 46.2060, 66.3361 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

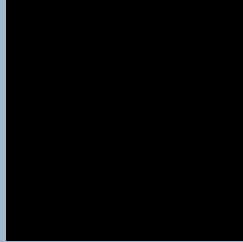
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

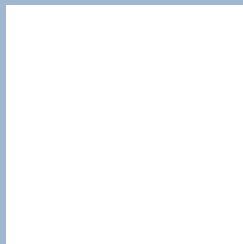
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.8237, 46.2060, 66.3361**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.8237, 46.2060, 66.3361.



This preview shows how white text looks on a background with the XYZ color 42.8237, 46.2060,



# 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

42.8237, 46.2060, 66.3361

### Protanopia

45.2710, 45.9951, 64.2495

### Deuteranopia

46.9254, 45.8942, 67.3580



## Tritanopia

41.6789, 46.0362, 61.3327

# Trichromacy



## Original Color

42.8237, 46.2060, 66.3361

## Protanomaly

44.2420, 46.0500, 64.9493

## Deuteranomaly

45.3079, 45.9576, 66.8043

## Tritanomaly

42.2290, 46.2788, 63.2069

# Monochromacy



## Original Color

42.8237, 46.2060, 66.3361

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

42.8314, 45.5361, 55.2471

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.8237, 46.2060, 66.3361 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(159, 184, 208)` looks like.

```
.text, #text, p{  
    color:rgb(159, 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(159, 184, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 184, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 42.8237, 46.2060, 66.3361 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".

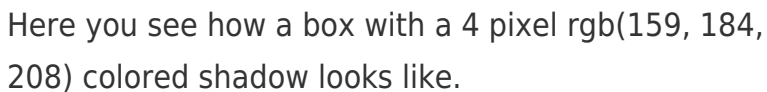
```
.border, #border, table{ border:4px solid rgb(159, 184, 208) }
```



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

```
.border{ border-color:rgb(159, 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(159, 184, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 184, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 184, 208);  
box-shadow:4px 4px 4px 4px rgb(159, 184,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.8237, 46.2060, 66.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 184, 208) }
```

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

```
.background{ background-color: rgb(159,  
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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