

# Converting Colors

XYZ(38.7495, 41.1140, 67.7814)

Have a look what the booklet for  
XYZ(38.7495, 41.1140, 67.7814)  
contains.

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# Color

**XYZ(38.7480, 41.0862,  
67.5162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92AED3
RGB	146, 174, 211
RGB Percent	57%, 68%, 83%
CMY	0.4274, 0.3176, 0.1725
CMYK	0.31, 0.18, 0.00, 0.17
HSL	214°, 42%, 70%
HSV	214°, 31%, 83%
XYZ	38.7480, 41.0862, 67.5162
YIQ	169.8460, -28.5650, 5.5710

# Conversions

## Conversions Part 2

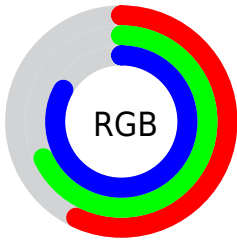
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 166, 211
Decimal	9613011
CIE Lab	70.24, -0.96, -21.86
CIE LCh	70, 21.886, 267.474
Yxy	41.0862, 0.2630, 0.2788
Android (android.graphics.Color)	4287803091 (0xFF92AED3)
YUV	169.8460, 20.2889, -20.9129
Hunter-Lab	64.0985, -4.2679, -17.5823

# Details

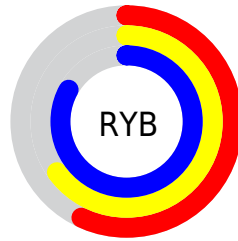
The XYZ color **38.7480, 41.0862, 67.5162** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **48.9866, 49.7919, 34.2244**, and the grayscale version is **38.0452, 40.0265, 43.5889**.

A 20% lighter version of the original color is **70.1567, 75.6761, 105.5170**, and **17.4745, 18.6465, 34.1306** is the 20% darker color. If you saturate the color by 10%, you get **33.1203, 34.8939, 66.6183**, and if you desaturate by 10%, it is **45.2780, 48.0535, 68.5176**.

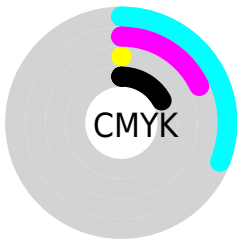
# Distribution



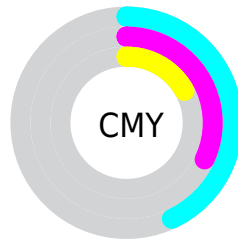
- Red (57%)
- Green (68%)
- Blue (83%)



- Red (57%)
- Yellow (65%)
- Blue (83%)



- Cyan (31%)
- Magenta (18%)
- Yellow (0%)
- Black (17%)



- Cyan (43%)
- Magenta (32%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7480, 41.0862, 67.5162 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 38.7480, 41.0862, 67.5162 by changing the saturation by 10% instead.



■ 38.7480, 41.0862,  
67.5162

■ 38.7480, 41.0862,  
67.5162

332.0435,  
350.6808, 470.3314

■ 26.7436, 28.3864,  
49.0400

■ 72.5497, 76.8147,  
117.3074

■ 17.5163, 18.6172,  
34.2854

■ 95.0778, 100.6123,  
149.4595

■ 10.7009, 11.3940,  
22.8338

121.8444,  
128.8779, 187.0074

■ 5.9319, 6.3325,  
14.2667

153.2149,  
161.9960, 230.3695

■ 2.8440, 3.0483,  
8.1655

189.5547,  
200.3509, 279.9644

■ 1.0718, 1.1570,  
4.1118

231.2292,

■ 0.0013, 0.0262,

244.3271, 336.2107

1.6869

278.6037,  
294.3089, 399.5268

■ 0.0000, 0.0000,  
0.3517

■ 0.0000, 0.0000,  
0.0000

■ 38.7480, 41.0862,  
67.5162

■ 38.7480, 41.0862,  
67.5162

■ 33.1203, 34.8939,  
66.6183

■ 45.2780, 48.0535,  
68.5176

■ 28.3476, 29.4415,  
65.8174

■ 52.7468, 55.8197,  
69.6229

■ 24.3835, 24.6975,  
65.1107

■ 61.1937, 64.4132,  
70.8365

■ 21.1757, 20.6263,  
64.4939

■ 70.6542, 73.8597,  
72.1612

■ 18.6645, 17.1879,  
63.9626

■ 81.1621, 84.1836,  
73.6001

■ 16.7800, 14.3367,  
63.5116

■ 85.9740, 91.9152,  
74.8388

■ 15.4902, 12.1675,  
63.1609

■ 88.7580, 97.4832,  
75.7668

# Harmonies

## Analogous

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



35.4585, 41.0862, 63.5450



38.7480, 41.0862, 67.5162



42.3208, 41.0862, 64.6515

# Triad

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



38.7480, 41.0862, 67.5162



45.4964, 41.0862, 36.2269



33.5192, 41.0862, 34.9325

# Complementary

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



38.7480, 41.0862, 67.5162



48.9866, 49.7919, 34.2244

# 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.



35.9545, 41.0862, 29.3982



38.7480, 41.0862, 67.5162



42.8787, 41.0862, 30.0612

# Square

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



38.7480, 41.0862, 67.5162



46.3557, 41.0862, 45.6121



39.3560, 41.0862, 27.7600



32.5574, 41.0862, 43.8709



# Rectangle

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



38.7480, 41.0862, 67.5162



44.3585, 41.0862, 59.4613



39.3560, 41.0862, 27.7600



34.1850, 41.0862, 32.6675

# Sweetspot

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



38.7493, 41.0878, 67.5172



83.0782, 87.8506, 107.1859



43.6793, 56.1124, 53.2386



17.3933, 18.4047, 22.8857



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

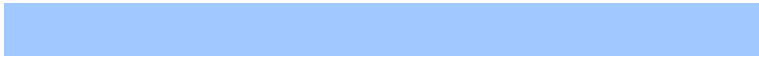


# Same Dimension

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



38.7493, 41.0878, 67.5172



53.6328, 56.6714, 102.7197



34.6771, 31.7780, 65.9348



11.5765, 12.2433, 14.9967



9.4457, 7.5381, 38.1496



0.6063, 0.5777, 2.1591



# Inverse Universe

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



44.7839, 37.4639, 44.9169



64.5011, 50.8585, 61.8571



54.1225, 61.8821, 36.2873



12.0171, 11.8916, 13.3660



17.3985, 8.8322, 7.0047

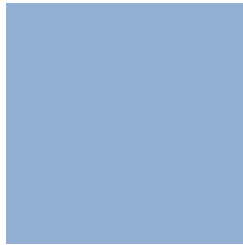


1.0122, 0.5096, 0.5993



# Previews

## White Background



This preview shows how the XYZ color 38.7480, 41.0862, 67.5162 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

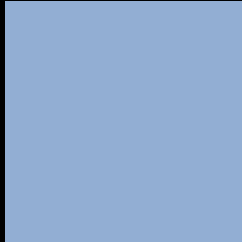
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.7480, 41.0862, 67.5162 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

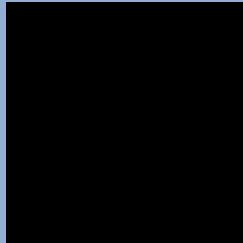
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

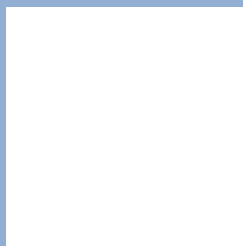
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.7480, 41.0862, 67.5162**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.7480, 41.0862, 67.5162.



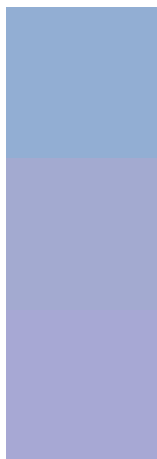
This preview shows how white text looks on a background with the XYZ color 38.7480, 41.0862,



# 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

38.7480, 41.0862, 67.5162

### Protanopia

40.8641, 41.0900, 65.4519

### Deuteranopia

41.8226, 40.9742, 67.9919



## Tritanopia

36.3919, 41.0008, 55.8651

# Trichromacy



## Original Color

38.7480, 41.0862, 67.5162

## Protanomaly

39.9762, 40.8974, 66.1086

## Deuteranomaly

40.5565, 40.8738, 68.0392

## Tritanomaly

37.1618, 41.0138, 59.9907

# Monochromacy



## Original Color

38.7480, 41.0862, 67.5162

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

38.0178, 40.2057, 51.6557

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.7480, 41.0862, 67.5162 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(146, 174, 211)` looks like.

```
.text, #text, p{  
    color:rgb(146, 174, 211)  
}
```

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(146, 174, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 174, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 38.7480, 41.0862, 67.5162 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(146, 174, 211) }
```



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

```
.border{ border-color:rgb(146, 174, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 174, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 174, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 174, 211);  
box-shadow:4px 4px 4px 4px rgb(146, 174,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.7480, 41.0862, 67.5162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 174, 211) }
```

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

```
.background{ background-color: rgb(146,  
174, 211) }
```

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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