

# Converting Colors

XYZ(43.8028, 48.4726, 72.5228)

Have a look what the booklet for  
XYZ(43.8028, 48.4726, 72.5228)  
contains.

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# Color

**XYZ(43.8867, 48.5121,  
72.6963)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	98BED9
RGB	152, 190, 217
RGB Percent	60%, 75%, 85%
CMY	0.4039, 0.2549, 0.1490
CMYK	0.30, 0.12, 0.00, 0.15
HSL	205°, 46%, 72%
HSV	205°, 30%, 85%
XYZ	43.8867, 48.5121, 72.6963
YIQ	181.7160, -31.3150, 0.3410

# Conversions

## Conversions Part 2

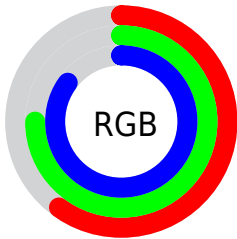
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	152, 176, 217
Decimal	10010329
CIE Lab	75.15, -6.42, -17.65
CIE LCh	75, 18.783, 250.024
Yxy	48.5121, 0.2658, 0.2938
Android (android.graphics.Color)	4288200409 (0xFF98BED9)
YUV	181.7160, 17.3950, -26.0609
Hunter-Lab	69.6506, -9.4162, -13.1272

# Details

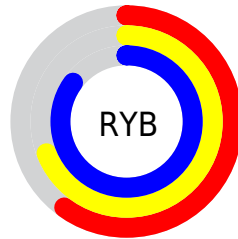
The XYZ color **43.8867, 48.5121, 72.6963** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.4034, 49.2592, 36.5583**, and the grayscale version is **44.2308, 46.5343, 50.6758**.

A 20% lighter version of the original color is **77.0182, 86.5414, 107.2526**, and **20.6128, 23.1526, 37.5649** is the 20% darker color. If you saturate the color by 10%, you get **38.2989, 42.8235, 71.8936**, and if you desaturate by 10%, it is **50.3413, 54.8291, 73.5762**.

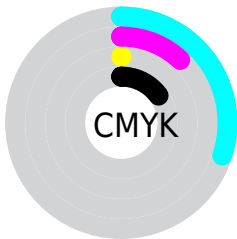
# Distribution



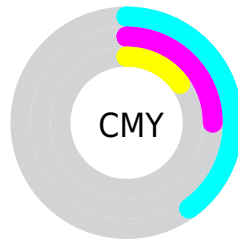
- Red (60%)
- Green (75%)
- Blue (85%)



- Red (60%)
- Yellow (69%)
- Blue (85%)



- Cyan (30%)
- Magenta (12%)
- Yellow (0%)
- Black (15%)



- Cyan (40%)
- Magenta (25%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8867, 48.5121, 72.6963 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 43.8867, 48.5121, 72.6963 by changing the saturation by 10% instead.



■ 43.8867, 48.5121,  
72.6963

■ 43.8867, 48.5121,  
72.6963

353.1058,  
380.8184, 489.0041

■ 30.7790, 34.2326,  
53.2374

■ 80.2946, 87.9664,  
124.7629

■ 20.5816, 23.0724,  
37.6033

■ 104.3255,  
113.9100, 158.2076

■ 12.9292, 14.6469,  
25.3755

132.7282,  
144.5104, 197.1514

■ 7.4565, 8.5720,  
16.1355

165.8681,  
180.1520, 242.0126

■ 3.7980, 4.4631,  
9.4647

204.1104,  
221.2192, 293.2100

■ 1.5885, 1.9358,  
4.9446

247.8205,

■ 0.3849, 0.5698,

268.0964, 351.1620

2.1566

297.3639,  
321.1680, 416.2872

■ 0.0000, 0.0000,  
0.6492

■ 0.0000, 0.0000,  
0.0000

■ 43.8867, 48.5121,  
72.6963

■ 43.8867, 48.5121,  
72.6963

■ 38.2989, 42.8235,  
71.8936

■ 50.3413, 54.8291,  
73.5762

■ 33.5306, 37.7323,  
71.1622

■ 57.6977, 61.7921,  
74.5325

■ 29.5367, 33.2130,  
70.5004

■ 65.9945, 69.4254,  
75.5686

■ 26.2654, 29.2356,  
69.9051

■ 75.2665, 77.7498,  
76.6867

■ 23.6579, 25.7661,  
69.3729

■ 83.4929, 85.7265,  
77.7928

■ 21.6446, 22.7652,  
68.8998

■ 86.1402, 91.0212,  
78.6752

■ 20.1037, 20.1663,  
68.4793

■ 88.9202, 96.5812,  
79.6019

■ 20.0970, 20.1547,  
68.4775

■ 89.5245, 97.7898,  
79.8033

# Harmonies

## Analogous

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



41.2281, 48.5121, 65.9621



43.8867, 48.5121, 72.6963



47.2700, 48.5121, 73.7536

# Triad

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



43.8867, 48.5121, 72.6963



52.9330, 48.5121, 49.5929



41.9857, 48.5121, 39.6046

# Complementary

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



43.8867, 48.5121, 72.6963



50.4034, 49.2592, 36.5583

# 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.



44.9678, 48.5121, 36.2796



43.8867, 48.5121, 72.6963



51.3613, 48.5121, 41.5533

# Square

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



43.8867, 48.5121, 72.6963



52.6082, 48.5121, 59.5597



48.4057, 48.5121, 36.9456



40.1690, 48.5121, 46.6116



# Rectangle

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



43.8867, 48.5121, 72.6963



49.4981, 48.5121, 70.9755



48.4057, 48.5121, 36.9456



42.8788, 48.5121, 38.0613

# Sweetspot

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



43.8882, 48.5140, 72.6974



84.1390, 89.9723, 107.5395



45.7986, 59.5164, 51.1945



17.6544, 18.9270, 22.9727



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

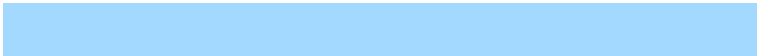


# Same Dimension

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



43.8882, 48.5140, 72.6974



57.9747, 64.5867, 104.0186



37.7867, 36.3110, 70.6636



12.9680, 13.8758, 16.6469



12.2720, 12.4135, 41.4876



0.8793, 0.9728, 2.7159



# Inverse Universe

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



49.1390, 40.9271, 54.0272



66.8803, 52.5285, 72.1714



57.4539, 63.3601, 38.9085



13.3737, 13.1786, 15.2292



19.6897, 9.8769, 13.2779

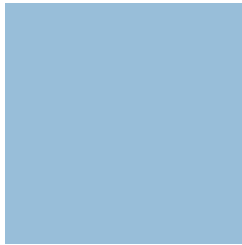


1.3181, 0.6569, 1.0843



# Previews

## White Background



This preview shows how the XYZ color 43.8867, 48.5121, 72.6963 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

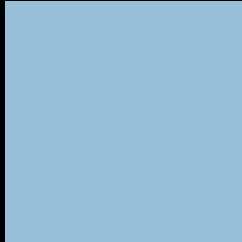
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.8867, 48.5121, 72.6963 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

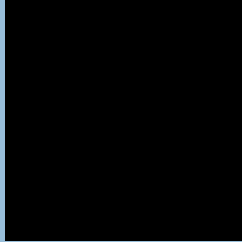
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.8867, 48.5121, 72.6963**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.8867, 48.5121, 72.6963.



This preview shows how white text looks on a background with the XYZ color 43.8867, 48.5121,



# 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

43.8867, 48.5121, 72.6963

### Protanopia

47.4076, 48.2041, 69.0930

### Deuteranopia

49.3571, 48.1961, 73.7192



## Tritanopia

42.6898, 48.6883, 66.1793

# Trichromacy



## Original Color

43.8867, 48.5121, 72.6963

## Protanomaly

46.0587, 48.4079, 70.5344

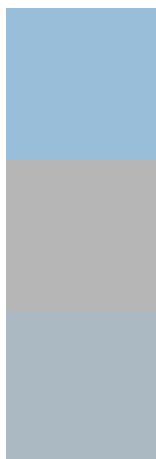
## Deuteranomaly

47.2509, 48.3416, 73.1701

## Tritanomaly

43.1512, 48.5441, 68.7236

# Monochromacy



## Original Color

43.8867, 48.5121, 72.6963

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

43.9939, 47.2960, 58.4401

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.8867, 48.5121, 72.6963 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(152, 190, 217)` looks like.

```
.text, #text, p{  
    color:rgb(152, 190, 217)  
}
```

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(152, 190, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 190, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 43.8867, 48.5121, 72.6963 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(152, 190, 217) }
```



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

```
.border{ border-color:rgb(152, 190, 217) }
```

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

Here you see how a box with a 4 pixel rgb(152, 190, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 190, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 190, 217);  
box-shadow:4px 4px 4px 4px rgb(152, 190,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.8867, 48.5121, 72.6963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 190, 217) }
```

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

```
.background{ background-color: rgb(152,  
190, 217) }
```

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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