

# Converting Colors

XYZ(40.1119, 44.6613, 72.8360)

Have a look what the booklet for  
XYZ(40.1119, 44.6613, 72.8360)  
contains.

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# Color

**XYZ(40.1119, 44.6613,  
72.8360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89B8DA
RGB	137, 184, 218
RGB Percent	54%, 72%, 85%
CMY	0.4627, 0.2784, 0.1451
CMYK	0.37, 0.16, 0.00, 0.15
HSL	205°, 52%, 70%
HSV	205°, 37%, 85%
XYZ	40.1119, 44.6613, 72.8360
YIQ	173.8230, -38.9260, 0.6100

# Conversions

## Conversions Part 2

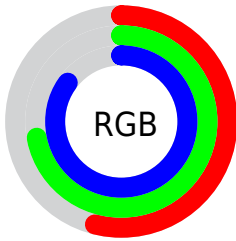
<b>Format</b>	<b>Color</b>
<b>RYB</b>	137, 167, 218
Decimal	9025754
CIELab	72.67, -7.15, -22.04
CIELCh	73, 23.168, 252.031
Yxy	44.6613, 0.2545, 0.2834
Android (android.graphics.Color)	4287215834 (0xFF89B8DA)
YUV	173.8230, 21.7793, -32.2938
Hunter-Lab	66.8291, -9.8124, -17.8389

# Details

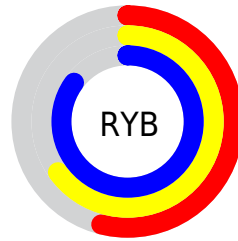
The XYZ color **40.1119, 44.6613, 72.8360** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.9925, 45.8382, 29.9864**, and the grayscale version is **40.0486, 42.1342, 45.8842**.

A 20% lighter version of the original color is **71.2024, 80.8776, 106.4659**, and **18.2944, 20.7159, 37.6847** is the 20% darker color. If you saturate the color by 10%, you get **35.0534, 39.3234, 72.0731**, and if you desaturate by 10%, it is **46.0182, 50.6208, 73.6758**.

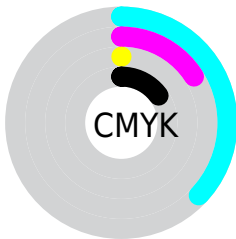
# Distribution



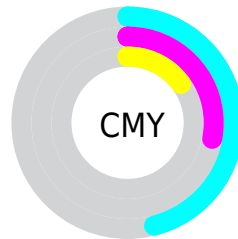
- Red (54%)
- Green (72%)
- Blue (85%)



- Red (54%)
- Yellow (65%)
- Blue (85%)



- Cyan (37%)
- Magenta (16%)
- Yellow (0%)
- Black (15%)



- Cyan (46%)
- Magenta (28%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1119, 44.6613, 72.8360 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 40.1119, 44.6613, 72.8360 by changing the saturation by 10% instead.



■ 40.1119, 44.6613,  
72.8360

■ 40.1119, 44.6613,  
72.8360

337.7213,  
365.4001, 489.5017

■ 27.8104, 31.1907,  
53.3509

■ 74.6171, 82.2119,  
124.9631

■ 18.3225, 20.7441,  
37.6933

■ 97.5516, 107.0608,  
158.4422

■ 11.2829, 12.9371,  
25.4448

■ 124.7611,  
136.4711, 197.4230

■ 6.3261, 7.3852,  
16.1867

156.6109,  
170.8275, 242.3240

■ 3.0869, 3.7042,  
9.5006

193.4665,  
210.5141, 293.5639

■ 1.1999, 1.5095,  
4.9679

235.6932,

■ 0.1063, 0.2954,

255.9155, 351.5611

2.1700

283.6564,  
307.4160, 416.7342

■ 0.0000, 0.0000,  
0.6570

■ 0.0000, 0.0000,  
0.0000

■ 40.1119, 44.6613,  
72.8360

■ 40.1119, 44.6613,  
72.8360

■ 35.0534, 39.3234,  
72.0731

■ 46.0182, 50.6208,  
73.6758

■ 30.7924, 34.5747,  
71.3811

■ 52.8102, 57.2218,  
74.5919

■ 27.2794, 30.3872,  
70.7580

■ 60.5289, 64.4896,  
75.5879

■ 24.4571, 26.7278,  
70.2004

■ 69.2110, 72.4463,  
76.6661

■ 22.2586, 23.5582,  
69.7044

■ 78.8912, 81.1130,  
77.8288

■ 20.5963, 20.8292,  
69.2653

■ 84.7338, 87.9996,  
78.8501

■ 20.1797, 20.1113,  
69.1487

■ 87.4796, 93.4911,  
79.7653

■ 89.6550, 97.8420,  
80.4905

# Harmonies

## Analogous

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



36.9695, 44.6613, 64.9836



40.1119, 44.6613, 72.8360



44.0787, 44.6613, 73.6148

# Triad

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



40.1119, 44.6613, 72.8360



50.4558, 44.6613, 44.1644



37.4876, 44.6613, 33.9858

# Complementary

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



40.1119, 44.6613, 72.8360



47.9925, 45.8382, 29.9864

# 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.



40.8604, 44.6613, 30.0522



40.1119, 44.6613, 72.8360



48.4454, 44.6613, 35.2774

# Square

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



40.1119, 44.6613, 72.8360



50.2239, 44.6613, 55.7731



44.8756, 44.6613, 30.4843



35.5214, 44.6613, 42.1218



# Rectangle

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



40.1119, 44.6613, 72.8360



46.6766, 44.6613, 69.8826



44.8756, 44.6613, 30.4843



38.4851, 44.6613, 32.1906

# Sweetspot

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



40.1133, 44.6630, 72.8370



81.8312, 87.7795, 107.2379



42.7159, 58.3929, 47.4241



17.1915, 18.4839, 22.9116



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

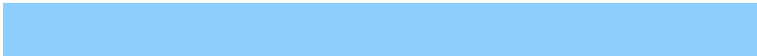


# Same Dimension

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



40.1133, 44.6630, 72.8370



51.1803, 57.3629, 102.9824



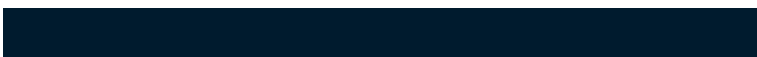
32.9081, 30.2526, 70.4353



12.9631, 13.8660, 16.6453



12.1982, 12.2659, 41.4630



0.8748, 0.9637, 2.7143



# Inverse Universe

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



46.5120, 36.2588, 49.8964



61.8970, 44.5862, 64.2695



56.7861, 63.4253, 32.9176



13.3712, 13.1776, 15.2162



19.6524, 9.8620, 13.0816



1.3158, 0.6560, 1.0721



# Previews

## White Background



This preview shows how the XYZ color 40.1119, 44.6613, 72.8360 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

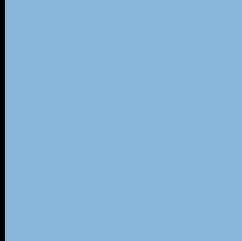
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.1119, 44.6613, 72.8360 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 40.1119, 44.6613, 72.8360

## Background



This preview shows how black text looks on a background with the XYZ color 40.1119, 44.6613, 72.8360.



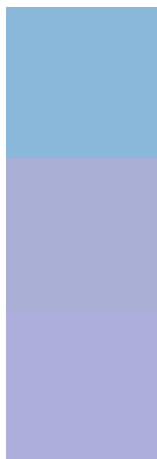
This preview shows how white text looks on a background with the XYZ color 40.1119, 44.6613,



# 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

40.1119, 44.6613, 72.8360

### Protanopia

44.1131, 44.4008, 69.1960

### Deuteranopia

45.2879, 44.3236, 73.8785



## Tritanopia

38.1039, 44.7915, 62.5144

# Trichromacy



## Original Color

40.1119, 44.6613, 72.8360

## Protanomaly

42.4864, 44.4156, 70.6238

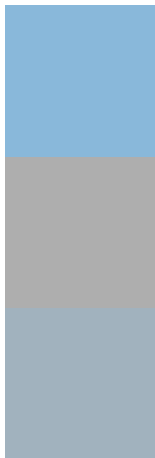
## Deuteranomaly

43.2038, 44.4288, 73.3164

## Tritanomaly

38.7756, 44.7402, 66.2665

# Monochromacy



## Original Color

40.1119, 44.6613, 72.8360

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

39.9126, 43.1356, 54.9376

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.1119, 44.6613, 72.8360 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(137, 184, 218)` looks like.

```
.text, #text, p{  
    color:rgb(137, 184, 218)  
}
```

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(137, 184, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 184, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 40.1119, 44.6613, 72.8360 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".

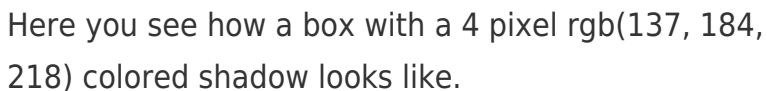
```
.border, #border, table{ border:4px solid rgb(137, 184, 218) }
```



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

```
.border{ border-color:rgb(137, 184, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 184, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 184, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 184, 218); box-shadow:4px 4px 4px 4px rgb(137, 184, 218) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.1119, 44.6613, 72.8360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 184, 218) }
```

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

```
.background{ background-color: rgb(137,  
184, 218) }
```

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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