

# Converting Colors

XYZ(40.1278, 44.0010, 69.7614)

Have a look what the booklet for  
XYZ(40.1278, 44.0010, 69.7614)  
contains.

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# **Color**

**XYZ(40.1932, 44.1506,  
70.0218)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8FB6D6
RGB	143, 182, 214
RGB Percent	56%, 71%, 84%
CMY	0.4392, 0.2863, 0.1608
CMYK	0.33, 0.15, 0.00, 0.16
HSL	207°, 46%, 70%
HSV	207°, 33%, 84%
XYZ	40.1932, 44.1506, 70.0218
YIQ	173.9870, -33.5160, 1.6840

# Conversions

## Conversions Part 2

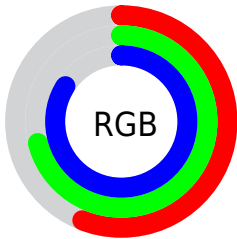
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	143, 168, 214
Decimal	9418454
CIE <sub>Lab</sub>	72.33, -5.43, -20.34
CIE <sub>LCh</sub>	72, 21.053, 255.048
Yxy	44.1506, 0.2604, 0.2860
Android (android.graphics.Color)	4287608534 (0xFF8FB6D6)
YUV	173.9870, 19.7264, -27.1756
Hunter-Lab	66.4459, -8.3055, -15.9686

# Details

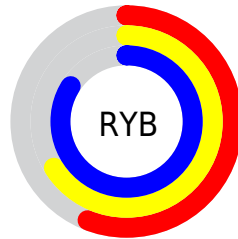
The XYZ color **40.1932, 44.1506, 70.0218** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.0201, 46.9396, 32.5170**, and the grayscale version is **40.1408, 42.2312, 45.9898**.

A 20% lighter version of the original color is **71.9132, 80.3748, 106.3314**, and **18.3247, 20.3774, 35.7683** is the 20% darker color. If you saturate the color by 10%, you get **34.9286, 38.6056, 69.2297**, and if you desaturate by 10%, it is **46.3033, 50.3355, 70.8943**.

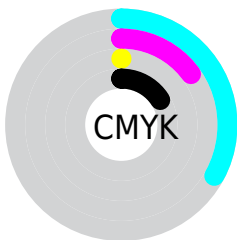
# Distribution



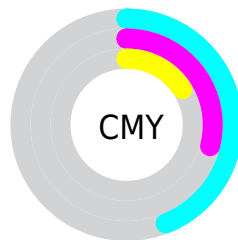
- Red (56%)
- Green (71%)
- Blue (84%)



- Red (56%)
- Yellow (66%)
- Blue (84%)



- Cyan (33%)
- Magenta (15%)
- Yellow (0%)
- Black (16%)



- Cyan (44%)
- Magenta (29%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1932, 44.1506, 70.0218 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 40.1932, 44.1506, 70.0218 by changing the saturation by 10% instead.



■ 40.1932, 44.1506,  
70.0218

■ 40.1932, 44.1506,  
70.0218

338.0577,  
363.3225, 479.4177

■ 27.8741, 30.7889,  
51.0674

■ 74.7401, 81.4443,  
120.9212

■ 18.3707, 20.4382,  
35.8851

■ 97.6986, 106.1451,  
153.7034

■ 11.3178, 12.7140,  
24.0565

124.9343,  
135.3945, 191.9318

■ 6.3499, 7.2319,  
15.1630

156.8125,  
169.5767, 236.0251

■ 3.1016, 3.6075,  
8.7859

193.6985,  
209.0762, 286.4018

■ 1.2077, 1.4565,  
4.5069

235.9579,

■ 0.1125, 0.2578,

254.2774, 343.4805

1.9074

283.9558,  
305.5647, 407.6796

■ 0.0000, 0.0000,  
0.4974

■ 0.0000, 0.0000,  
0.0000

■ 40.1932, 44.1506,  
70.0218

■ 40.1932, 44.1506,  
70.0218

■ 34.9286, 38.6056,  
69.2297

■ 46.3033, 50.3355,  
70.8943

■ 30.4622, 33.6690,  
68.5123

■ 53.2946, 57.1795,  
71.8469

■ 26.7484, 29.3142,  
67.8675

■ 61.2054, 64.7072,  
72.8829

■ 23.7345, 25.5096,  
67.2920

■ 70.0706, 72.9404,  
74.0048

■ 21.3602, 22.2198,  
66.7821

■ 79.9232, 81.8995,  
75.2148

■ 19.5530, 19.4027,  
66.3336

■ 84.4999, 88.3595,  
76.2205

■ 18.5639, 17.7074,  
66.0585

■ 87.4131, 94.1858,  
77.1916

■ 89.1377, 97.6351,  
77.7664

# Harmonies

## Analogous

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



37.2351, 44.1506, 63.6074



40.1932, 44.1506, 70.0218



43.7973, 44.1506, 70.0107

# Triad

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



40.1932, 44.1506, 70.0218



49.0520, 44.1506, 43.0798



37.2275, 44.1506, 35.3176

# Complementary

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



40.1932, 44.1506, 70.0218



48.0201, 46.9396, 32.5170

# 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.



40.1823, 44.1506, 31.2751



40.1932, 44.1506, 70.0218



47.0768, 44.1506, 35.2984

# Square

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



40.1932, 44.1506, 70.0218



49.0553, 44.1506, 53.4021



43.7857, 44.1506, 31.2686



35.5910, 44.1506, 43.1098



# Rectangle

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



40.1932, 44.1506, 70.0218



46.0898, 44.1506, 66.3114



43.7857, 44.1506, 31.2686



38.0917, 44.1506, 33.5281

# Sweetspot

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



40.1946, 44.1523, 70.0228



82.7256, 88.3658, 107.3039



43.1082, 57.0268, 49.2680



17.3604, 18.5821, 22.9217



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

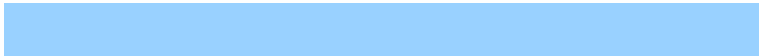


# Same Dimension

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



40.1946, 44.1523, 70.0228



53.9948, 59.6082, 103.2675



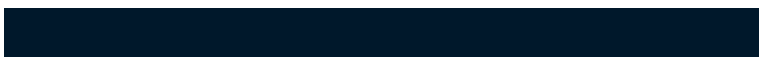
33.8302, 31.4236, 67.9014



12.3024, 13.1282, 15.8231



11.3259, 10.9135, 39.9627



0.7653, 0.8226, 2.4377



# Inverse Universe

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



45.9986, 37.3196, 49.0369



64.1436, 48.6474, 66.3506



55.8482, 62.5958, 35.1264



12.7058, 12.5338, 14.3911



18.7756, 9.4466, 11.3885

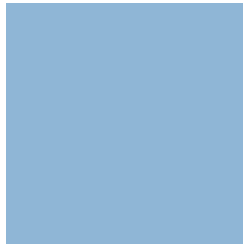


1.1739, 0.5864, 0.9053



# Previews

## White Background



This preview shows how the XYZ color 40.1932, 44.1506, 70.0218 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

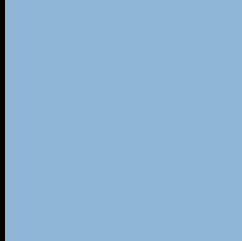
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.1932, 44.1506, 70.0218 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

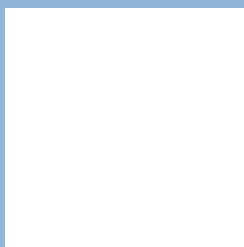
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.1932, 44.1506, 70.0218**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.1932, 44.1506, 70.0218.



This preview shows how white text looks on a background with the XYZ color 40.1932, 44.1506,



# 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

40.1932, 44.1506, 70.0218

### Protanopia

43.4162, 43.8094, 66.4894

### Deuteranopia

45.0174, 43.9590, 71.0780



## Tritanopia

38.4730, 44.3969, 60.5745

# Trichromacy



**Original Color**

40.1932, 44.1506, 70.0218

**Protanomaly**

42.1755, 44.0175, 67.9014

**Deuteranomaly**

42.8953, 43.7435, 70.4725

**Tritanomaly**

39.0241, 44.3033, 63.6214

# Monochromacy



**Original Color**

40.1932, 44.1506, 70.0218

**Achromatopsia**

40.2316, 42.3268, 46.0938

**Achromatomaly**

40.0117, 42.9049, 54.3168

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.1932, 44.1506, 70.0218 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(143, 182, 214)` looks like.

```
.text, #text, p{  
    color:rgb(143, 182, 214)  
}
```

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(143, 182, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 182, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 40.1932, 44.1506, 70.0218 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(143, 182, 214) }
```



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

```
.border{ border-color:rgb(143, 182, 214) }
```

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

Here you see how a box with a 4 pixel rgb(143, 182, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 182, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 182, 214);  
box-shadow:4px 4px 4px 4px rgb(143, 182,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.1932, 44.1506, 70.0218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 182, 214) }
```

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

```
.background{ background-color: rgb(143,  
182, 214) }
```

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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