

# Converting Colors

XYZ(45.1139, 47.4867, 73.1991)

Have a look what the booklet for  
XYZ(45.1139, 47.4867, 73.1991)  
contains.

<b>XYZ(45.1081, 47.5464, 73.1296)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(45.1081, 47.5464,  
73.1296)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3B9DA
RGB	163, 185, 218
RGB Percent	64%, 73%, 85%
CMY	0.3608, 0.2745, 0.1451
CMYK	0.25, 0.15, 0.00, 0.15
HSL	216°, 43%, 75%
HSV	216°, 25%, 85%
XYZ	45.1081, 47.5464, 73.1296
YIQ	182.1840, -23.7050, 5.5990

# Conversions

## Conversions Part 2

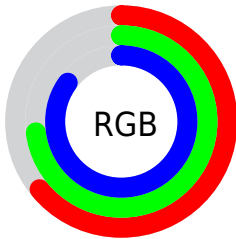
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 179, 218
Decimal	10729946
CIELab	74.54, -0.24, -19.05
CIELCh	75, 19.051, 269.278
Yxy	47.5464, 0.2721, 0.2868
Android (android.graphics.Color)	4288920026 (0xFFA3B9DA)
YUV	182.1840, 17.6573, -16.8244
Hunter-Lab	68.9539, -3.8986, -14.6127

# Details

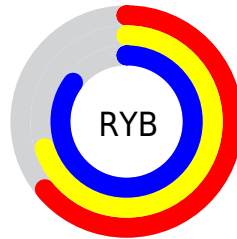
The XYZ color **45.1081, 47.5464, 73.1296** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.2648, 57.0299, 42.7467**, and the grayscale version is **44.4809, 46.7974, 50.9623**.

A 20% lighter version of the original color is **78.7187, 85.1907, 106.9023**, and **21.2925, 22.4619, 37.8637** is the 20% darker color. If you saturate the color by 10%, you get **38.4121, 40.2188, 72.0689**, and if you desaturate by 10%, it is **52.8282, 55.7780, 74.3124**.

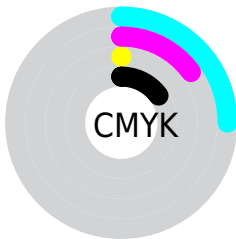
# Distribution



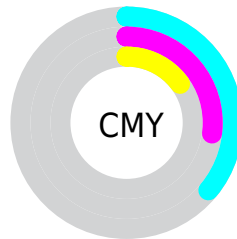
- Red (64%)
- Green (73%)
- Blue (85%)



- Red (64%)
- Yellow (70%)
- Blue (85%)



- Cyan (25%)
- Magenta (15%)
- Yellow (0%)
- Black (15%)



- Cyan (36%)
- Magenta (27%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1081, 47.5464, 73.1296 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 45.1081, 47.5464, 73.1296 by changing the saturation by 10% instead.



■ 45.1081, 47.5464,  
73.1296

■ 45.1081, 47.5464,  
73.1296

357.9875,  
376.9913, 490.5467

■ 31.7442, 33.4678,  
53.5895

■ 82.1187, 86.5287,  
125.3838

■ 21.3208, 22.4851,  
37.8826

■ 106.4961,  
112.2011, 158.9350

■ 13.4725, 14.2137,  
25.5905

135.2754,  
142.5070, 197.9935

■ 7.8339, 8.2695,  
16.2945

168.8219,  
177.8307, 242.9781

■ 4.0398, 4.2679,  
9.5762

207.5010,  
218.5565, 294.3071

■ 1.7247, 1.8245,  
5.0170

251.6781,

■ 0.4716, 0.5024,

265.0690, 352.3992

2.1983

301.7185,  
317.7525, 417.6729

■ 0.0000, 0.0000,  
0.6734

■ 0.0000, 0.0000,  
0.0000

■ 45.1081, 47.5464,  
73.1296

■ 45.1081, 47.5464,  
73.1296

■ 38.4121, 40.2188,  
72.0689

■ 52.8282, 55.7780,  
74.3124

■ 32.6896, 33.7555,  
71.1230

■ 61.6110, 64.9396,  
75.6178

■ 27.8920, 28.1222,  
70.2885

■ 71.4987, 75.0634,  
77.0508

■ 23.9645, 23.2797,  
69.5608

■ 82.5295, 86.1782,  
78.6148

■ 20.8457, 19.1849,  
68.9348

■ 88.2053, 94.9426,  
80.0073

■ 18.4655, 15.7894,  
68.4049

■ 89.6550, 97.8420,  
80.4905

■ 16.7391, 13.0367,  
67.9646

■ 16.0800, 11.9120,  
67.7822

# Harmonies

## Analogous

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



41.8940, 47.5464, 69.8334



45.1081, 47.5464, 73.1296



48.5060, 47.5464, 70.1253

# Triad

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



45.1081, 47.5464, 73.1296



51.2136, 47.5464, 43.0426



39.7374, 47.5464, 42.6780

# Complementary

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



45.1081, 47.5464, 73.1296



55.2648, 57.0299, 42.7467

# 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.



42.0314, 47.5464, 36.9345



45.1081, 47.5464, 73.1296



48.6575, 47.5464, 37.1255

# Square

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



45.1081, 47.5464, 73.1296



52.1375, 47.5464, 52.0091



45.2749, 47.5464, 35.0360



38.8915, 47.5464, 51.5315



# Rectangle

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



45.1081, 47.5464, 73.1296



50.3952, 47.5464, 65.1461



45.2749, 47.5464, 35.0360



40.3588, 47.5464, 40.3628

# Sweetspot

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



45.1096, 47.5483, 73.1307



84.1580, 88.7722, 107.3069



50.0365, 61.8742, 60.9859



17.5993, 18.5703, 22.9068



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.



45.1096, 47.5483, 73.1307



59.3506, 62.3954, 103.5231



41.8131, 39.5368, 71.7580



12.7640, 13.4678, 16.5789



9.7323, 7.3340, 40.6411



0.7134, 0.6409, 2.6606



# Inverse Universe

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



50.7688, 44.6039, 51.8346



68.7814, 57.9087, 67.9404



59.2448, 66.9966, 44.4607



13.2708, 13.1374, 14.6871



18.4077, 9.3641, 6.5271

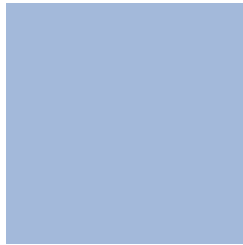


1.2344, 0.6234, 0.6432



# Previews

## White Background



This preview shows how the XYZ color 45.1081, 47.5464, 73.1296 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

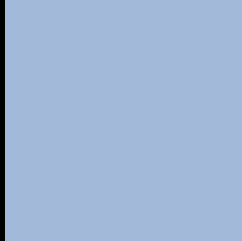
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.1081, 47.5464, 73.1296 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

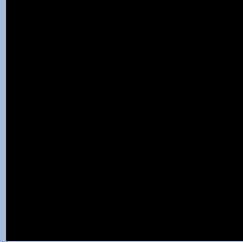
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.1081, 47.5464, 73.1296**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.1081, 47.5464, 73.1296.



This preview shows how white text looks on a background with the XYZ color 45.1081, 47.5464,



# 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

45.1081, 47.5464, 73.1296

### Protanopia

46.8230, 47.2357, 71.6153

### Deuteranopia

48.4347, 47.4220, 73.6184



## Tritanopia

43.2599, 47.7518, 63.4369

# Trichromacy



## Original Color

45.1081, 47.5464, 73.1296

## Protanomaly

46.0469, 47.1236, 72.3145

## Deuteranomaly

47.2146, 47.3923, 73.6770

## Tritanomaly

43.8534, 47.6718, 66.5648

# Monochromacy



## Original Color

45.1081, 47.5464, 73.1296

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

44.4630, 46.9211, 58.3430

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.1081, 47.5464, 73.1296 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(163, 185, 218)` looks like.

```
.text, #text, p{  
    color:rgb(163, 185, 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(163, 185, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 185, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 45.1081, 47.5464, 73.1296 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".

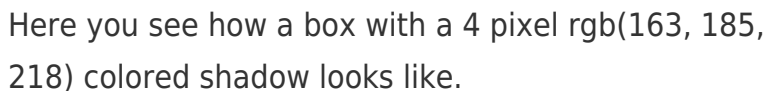
```
.border, #border, table{ border:4px solid rgb(163, 185, 218) }
```



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

```
.border{ border-color:rgb(163, 185, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 185, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 185, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 185, 218); box-shadow:4px 4px 4px 4px rgb(163, 185, 218) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.1081, 47.5464, 73.1296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 185, 218) }
```

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

```
.background{ background-color: rgb(163,  
185, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor