

Converting Colors

XYZ(43.6591, 47.4191, 73.6250)

Have a look what the booklet for
XYZ(43.6591, 47.4191, 73.6250)
contains.

XYZ(43.6934, 47.4274, 73.8694)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(43.6934, 47.4274,
73.8694)**

Conversions

Conversions Part 1

Format	Color
Hex	99BBDB
RGB	153, 187, 219
RGB Percent	60%, 73%, 86%
CMY	0.4000, 0.2667, 0.1412
CMYK	0.30, 0.15, 0.00, 0.14
HSL	209°, 48%, 73%
HSV	209°, 30%, 86%
XYZ	43.6934, 47.4274, 73.8694
YIQ	180.4820, -30.5360, 2.7440

Conversions

Conversions Part 2

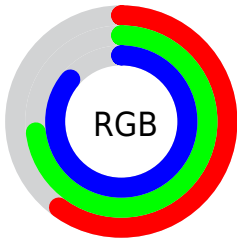
Format	Color
R _Y B	153, 175, 219
Decimal	10075099
CIE Lab	74.46, -4.03, -19.77
CIE LCh	74, 20.176, 258.464
Yxy	47.4274, 0.2648, 0.2875
Android (android.graphics.Color)	4288265179 (0xFF99BBDB)
YUV	180.4820, 18.9894, -24.1017
Hunter-Lab	68.8676, -7.2679, -15.3889

Details

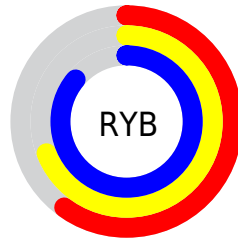
The XYZ color **43.6934, 47.4274, 73.8694** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.3130, 52.0586, 37.4295**, and the grayscale version is **43.5555, 45.8238, 49.9021**.

A 20% lighter version of the original color is **76.3951, 84.8765, 106.9641**, and **20.4815, 22.4399, 38.3738** is the 20% darker color. If you saturate the color by 10%, you get **37.7635, 41.1502, 72.9711**, and if you desaturate by 10%, it is **50.5515, 54.4326, 74.8609**.

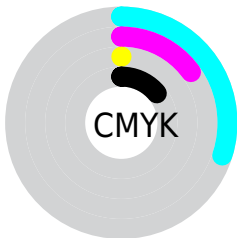
Distribution



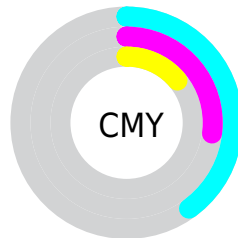
- Red (60%)
- Green (73%)
- Blue (86%)



- Red (60%)
- Yellow (69%)
- Blue (86%)



- Cyan (30%)
- Magenta (15%)
- Yellow (0%)
- Black (14%)



- Cyan (40%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6934, 47.4274, 73.8694 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 43.6934, 47.4274, 73.8694 by changing the saturation by 10% instead.

■ 43.6934, 47.4274,
73.8694

■ 43.6934, 47.4274,
73.8694

352.3290,
376.5180, 493.1738

■ 30.6264, 33.3737,
54.1910

■ 80.0054, 86.3512,
126.4430

■ 20.4650, 22.4128,
38.3602

■ 103.9811,
111.9901, 160.1753

■ 12.8437, 14.1606,
25.9584

132.3238,
142.2595, 199.4293

■ 7.3973, 8.2324,
16.5670

165.3988,
177.5438, 244.6235

■ 3.7603, 4.2440,
9.7676

203.5715,
218.2274, 296.1766

■ 1.5674, 1.8110,
5.1415

247.2072,

■ 0.3710, 0.4940,

264.6947, 354.5069

2.2704

296.6712,
317.3301, 420.0332

■ 0.0000, 0.0000,
0.7145

■ 0.0000, 0.0000,
0.0000

■ 43.6934, 47.4274,
73.8694

■ 43.6934, 47.4274,
73.8694

■ 37.7635, 41.1502,
72.9711

■ 50.5515, 54.4326,
74.8609

■ 32.7121, 35.5667,
72.1597

■ 58.3751, 62.1868,
75.9452

■ 28.4915, 30.6480,
71.4327

■ 67.2049, 70.7171,
77.1264

■ 25.0471, 26.3603,
70.7866

■ 77.0777, 80.0474,
78.4069

■ 22.3171, 22.6656,
70.2174

■ 85.2137, 88.7492,
79.6578

■ 20.2283, 19.5202,
69.7203

■ 88.4331, 95.1881,
80.7309

■ 18.6718, 16.8853,
69.2938

■ 89.7863, 97.8945,
81.1820

Harmonies

Analogous

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



40.5958, 47.4274, 68.1406



43.6934, 47.4274, 73.8694



47.3310, 47.4274, 73.0765

Triad

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



43.6934, 47.4274, 73.8694



52.0466, 47.4274, 45.5499



40.0407, 47.4274, 39.4593

Complementary

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



43.6934, 47.4274, 73.8694



52.3130, 52.0586, 37.4295

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.



42.8983, 47.4274, 34.8688



43.6934, 47.4274, 73.8694



49.8792, 47.4274, 38.0452

Square

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



43.6934, 47.4274, 73.8694



52.2878, 47.4274, 55.7526



46.4922, 47.4274, 34.3886



38.5640, 47.4274, 47.7355

Rectangle

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



43.6934, 47.4274, 73.8694



49.5725, 47.4274, 68.9747



46.4922, 47.4274, 34.3886



40.8643, 47.4274, 37.4847

Sweetspot

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



43.6949, 47.4293, 73.8705



83.6575, 89.0092, 107.3790



47.2160, 60.9350, 55.1179



17.5358, 18.6897, 22.9332



0.0000, 0.0000, 0.0000



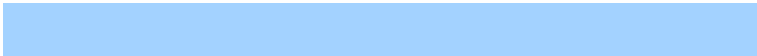
20.3446, 21.4041, 23.3091

Same Dimension

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



43.6949, 47.4293, 73.8705



56.3637, 61.3645, 103.4816



37.4965, 35.0324, 71.8044



12.8907, 13.7211, 16.6212



11.1816, 10.2325, 41.1241



0.8106, 0.8352, 2.6929

Inverse Universe

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



49.5756, 41.4318, 52.3999



66.0671, 52.2032, 67.8892



60.0096, 67.4519, 39.9951



13.3347, 13.1630, 15.0237



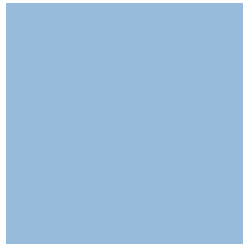
19.1393, 9.6567, 10.3793



1.2834, 0.6430, 0.9015

Previews

White Background



This preview shows how the XYZ color 43.6934, 47.4274, 73.8694 looks on a white background.

Color Contrast Check

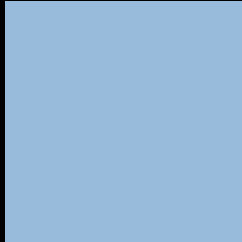
Large Text (above 18pt) WCAG AA × Fail

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 43.6934, 47.4274, 73.8694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

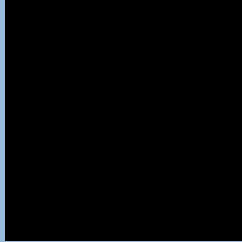
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.6934, 47.4274, 73.8694

Background



This preview shows how black text looks on a background with the XYZ color 43.6934, 47.4274, 73.8694.



This preview shows how white text looks on a background with the XYZ color 43.6934, 47.4274,

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

43.6934, 47.4274, 73.8694

Protanopia

46.6941, 47.1841, 70.9364

Deuteranopia

48.4626, 47.4057, 75.0026



Tritanopia

41.7947, 47.2870, 64.6821

Trichromacy



Original Color

43.6934, 47.4274, 73.8694

Protanomaly

45.4766, 47.1497, 71.6697

Deuteranomaly

46.4408, 47.2811, 74.3886

Tritanomaly

42.3786, 47.1989, 67.8495

Monochromacy



Original Color

43.6934, 47.4274, 73.8694

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.2487, 46.3081, 57.6978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.6934, 47.4274, 73.8694 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(153, 187, 219)` looks like.

```
.text, #text, p{  
    color:rgb(153, 187, 219)  
}
```

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(153, 187, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 187, 219) }
```

Border

The CSS property to change the border of an element to XYZ 43.6934, 47.4274, 73.8694 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(153, 187, 219) }
```


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

```
.border{ border-color:rgb(153, 187, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 187, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 187, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 187, 219);  
box-shadow:4px 4px 4px 4px rgb(153, 187,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 43.6934, 47.4274, 73.8694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 187, 219) }
```

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

```
.background{ background-color: rgb(153,  
187, 219) }
```

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