

# Converting Colors

XYZ(53.6367, 51.8839,  
154.6033)

Have a look what the booklet for  
XYZ(53.6367, 51.8839, 154.6033)  
contains.

|  |    |
|--|----|
| <b>XYZ(43.4029, 47.6243, 101.5126)</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(43.4029, 47.6243,  
101.5126)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | 72BEFF                     |
| RGB         | 114, 190, 255              |
| RGB Percent | 45%, 75%, 100%             |
| CMY         | 0.5529, 0.2549, 0.0000     |
| CMYK        | 0.55, 0.25, 0.00, 0.00     |
| HSL         | 208°, 100%, 72%            |
| HSV         | 208°, 55%, 100%            |
| XYZ         | 43.4029, 47.6243, 101.5126 |
| YIQ         | 174.6860, -66.1610, 4.1030 |

# Conversions

## Conversions Part 2

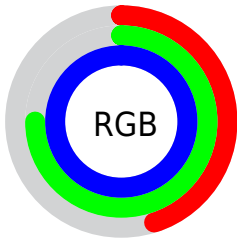
| <b>Format</b>                       | <b>Color</b>                                |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">114, 163, 255</a>               |
| Decimal                             | <a href="#">7519999</a>                     |
| CIELab                              | <a href="#">74.59, -5.43, -39.20</a>        |
| CIElCh                              | <a href="#">75, 39.571, 262.112</a>         |
| Yxy                                 | <a href="#">47.6243, 0.2254, 0.2473</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4285710079<br/>(0xFF72BEFF)</a> |
| YUV                                 | <a href="#">174.6860, 39.5948, -53.2216</a> |
| Hunter-Lab                          | <a href="#">69.0104, -8.5036, -38.9069</a>  |

# Details

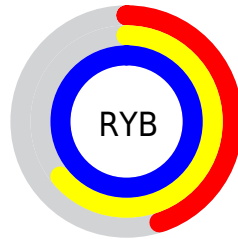
The XYZ color **43.4029, 47.6243, 101.5126** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.3987, 54.7171, 23.2998**, and the grayscale version is **40.4135, 42.5181, 46.3022**.

A 20% lighter version of the original color is **68.4613, 82.1302, 106.8522**, and **20.3110, 22.5729, 56.7126** is the 20% darker color. If you saturate the color by 10%, you get **38.0923, 41.2588, 100.5638**, and if you desaturate by 10%, it is **49.8461, 54.8803, 102.5735**.

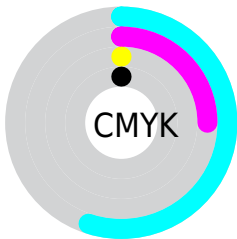
# Distribution



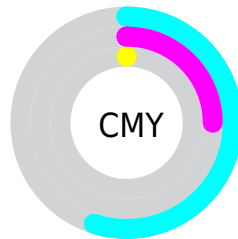
- Red (45%)
- Green (75%)
- Blue (100%)



- Red (45%)
- Yellow (64%)
- Blue (100%)



- Cyan (55%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)




- Cyan (55%)
- Magenta (25%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.4029, 47.6243, 101.5126 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 43.4029, 47.6243, 101.5126 by changing the saturation by 10% instead.





 43.4029, 47.6243,  
101.5126


 43.4029, 47.6243,  
101.5126


351.1596,  
377.3010, 586.3194


 30.3973, 33.5295,  
76.9405


 79.5704, 86.6448,  
165.3043

 20.2899, 22.5324,  
56.6927


 103.4630,  
112.3392, 205.3609

 12.7154, 14.2486,  
40.3509


 131.7153,  
142.6689, 251.4160

 7.3085, 8.2938,  
27.4964

164.6926,  
178.0183, 303.8883

 3.7038, 4.2835,  
17.7106

202.7604,  
218.7719, 363.1963

 1.5360, 1.8334,  
10.5752

246.2839,

 0.3501, 0.5078,

265.3139, 429.7584

5.6714

295.6285,  
318.0288, 503.9933

■ 0.0000, 0.0000,  
2.5808

■ 0.0000, 0.0000,  
0.8825

■ 43.4029, 47.6243,  
101.5126

■ 43.4029, 47.6243,  
101.5126

■ 38.0923, 41.2588,  
100.5638

■ 49.8461, 54.8803,  
102.5735

■ 33.8261, 35.7286,  
99.7212

■ 57.4922, 63.0673,  
103.7508

■ 30.5088, 30.9778,  
98.9791

■ 66.4101, 72.2285,  
105.0491

■ 28.0213, 26.9374,  
98.3303

■ 76.6622, 82.4025,  
106.4725

■ 27.0591, 25.2383,  
98.0530

■ 88.3066, 93.6255,  
108.0250

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



37.3290, 47.6243, 89.5945



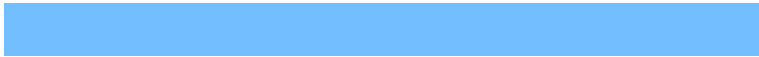
43.4029, 47.6243, 101.5126



50.6458, 47.6243, 97.6109

# Triad

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



43.4029, 47.6243, 101.5126



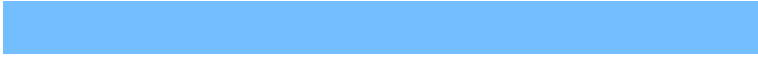
59.2499, 47.6243, 38.3888



35.2498, 47.6243, 31.2208

# Complementary

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



43.4029, 47.6243, 101.5126



60.3987, 54.7171, 23.2998

# 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.



40.2803, 47.6243, 23.2404



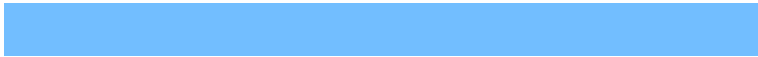
43.4029, 47.6243, 101.5126



54.2540, 47.6243, 26.5543

# Square

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



43.4029, 47.6243, 101.5126



60.3115, 47.6243, 57.4542



47.1806, 47.6243, 21.7922

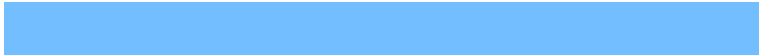


32.9563, 47.6243, 46.6315



# Rectangle

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



43.4029, 47.6243, 101.5126



55.1354, 47.6243, 86.9329



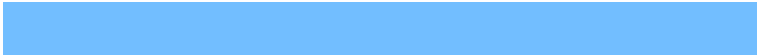
47.1806, 47.6243, 21.7922



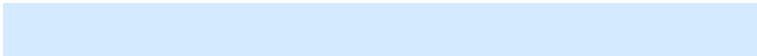
36.6499, 47.6243, 27.7674

# Sweetspot

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



43.4044, 47.6259, 101.5128



74.8134, 80.5908, 106.2202



50.6815, 78.2903, 54.2729



15.5589, 16.8021, 22.6730



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.



43.4044, 47.6259, 101.5128



37.7566, 40.8400, 100.5007



31.8346, 24.4864, 97.6562



17.8141, 18.9998, 22.9784



14.2901, 13.4899, 51.2852



1.5007, 1.5322, 5.0299



# Inverse Universe

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



56.5527, 37.0141, 52.8805



52.6011, 31.2188, 45.0652



77.8298, 89.5793, 29.1102



18.4188, 18.1508, 20.8226



24.0012, 12.0898, 13.9227

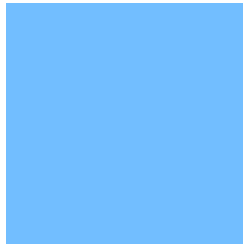


2.3921, 1.1992, 1.6462



# Previews

## White Background



This preview shows how the XYZ color 43.4029, 47.6243, 101.5126 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

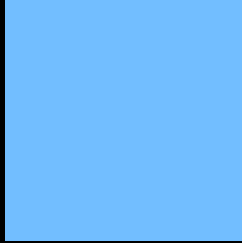
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.4029, 47.6243, 101.5126 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

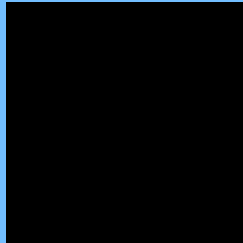
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

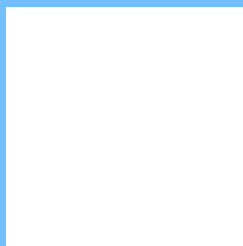
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 43.4029, 47.6243, 101.5126

## Background



This preview shows how black text looks on a background with the XYZ color 43.4029, 47.6243, 101.5126.



This preview shows how white text looks on a background with the XYZ color 43.4029, 47.6243,



# 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

43.4029, 47.6243, 101.5126

### Protanopia

48.2140, 47.1444, 94.5543

### Deuteranopia

48.4785, 47.4358, 101.2087



## Tritanopia

37.3687, 47.8399, 70.8828

# Trichromacy



## Original Color

43.4029, 47.6243, 101.5126

## Protanomaly

46.0729, 47.2028, 97.1252

## Deuteranomaly

46.1750, 47.1637, 101.2776

## Tritanomaly

39.3669, 47.6304, 81.2475

# Monochromacy



## Original Color

43.4029, 47.6243, 101.5126

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

40.3572, 43.7745, 63.4490

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.4029, 47.6243, 101.5126 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(114, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 190, 255)  
}
```

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(114, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 190, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 43.4029, 47.6243, 101.5126 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(114, 190, 255) }
```



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

```
.border{ border-color:rgb(114, 190, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 190, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 190, 255); box-shadow:4px 4px 4px 4px rgb(114, 190, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.4029, 47.6243, 101.5126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 190, 255) }
```

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

```
.background{ background-color: rgb(114,  
190, 255) }
```

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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