

# Converting Colors

XYZ(40.8015, 43.8970, 91.1440)

Have a look what the booklet for  
XYZ(40.8015, 43.8970, 91.1440)  
contains.

<b>XYZ(40.9316, 44.0645, 91.1420)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(40.9316, 44.0645,  
91.1420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AB6F3
RGB	122, 182, 243
RGB Percent	48%, 71%, 95%
CMY	0.5215, 0.2863, 0.0471
CMYK	0.50, 0.25, 0.00, 0.05
HSL	210°, 83%, 72%
HSV	210°, 50%, 95%
XYZ	40.9316, 44.0645, 91.1420
YIQ	171.0140, -55.3410, 6.2510

# Conversions

## Conversions Part 2

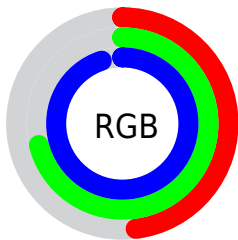
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">122, 162, 243</a>
Decimal	<a href="#">8042227</a>
CIELab	<a href="#">72.27, -2.90, -36.30</a>
CIELCh	<a href="#">72, 36.411, 265.432</a>
Yxy	<a href="#">44.0645, 0.2324, 0.2502</a>
Android (android.graphics.Color)	<a href="#">4286232307</a> ( <a href="#">0xFF7AB6F3</a> )
YUV	<a href="#">171.0140, 35.4891, -42.9853</a>
Hunter-Lab	<a href="#">66.3811, -6.1011, -34.9391</a>

# Details

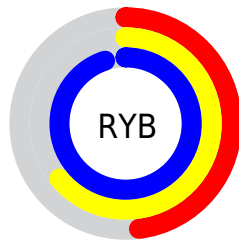
The XYZ color **40.9316, 44.0645, 91.1420** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.4099, 54.3286, 25.8747**, and the grayscale version is **38.5644, 40.5727, 44.1837**.

A 20% lighter version of the original color is **67.4469, 78.0724, 106.1224**, and **18.8065, 20.3125, 49.9432** is the 20% darker color. If you saturate the color by 10%, you get **35.5114, 37.7081, 90.2016**, and if you desaturate by 10%, it is **47.4345, 51.3066, 92.1980**.

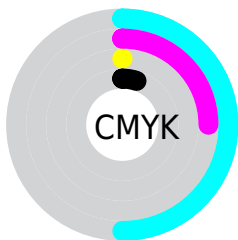
# Distribution



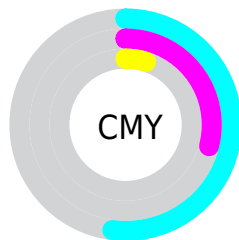
- Red (48%)
- Green (71%)
- Blue (95%)



- Red (48%)
- Yellow (64%)
- Blue (95%)



- Cyan (50%)
- Magenta (25%)
- Yellow (0%)
- Black (5%)



- Cyan (52%)
- Magenta (29%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9316, 44.0645, 91.1420 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 40.9316, 44.0645, 91.1420 by changing the saturation by 10% instead.



40.9316, 44.0645,  
91.1420

40.9316, 44.0645,  
91.1420

341.1021,  
362.9714, 552.4044

28.4531, 30.7212,  
68.3492

75.8554, 81.3148,  
150.8730

18.8097, 20.3867,  
49.7134

99.0314, 105.9906,  
188.6483

11.6360, 12.6764,  
34.8161

126.5039,  
135.2127, 232.2548

6.5668, 7.2061,  
23.2389

158.6384,  
169.3655, 282.1110

3.2366, 3.5913,  
14.5630

195.8001,  
208.8333, 338.6356

1.2801, 1.4477,  
8.3701

238.3543,

0.1682, 0.2515,

254.0007, 402.2470

4.2415

286.6666,  
305.2519, 473.3637

■ 0.0000, 0.0000,  
1.7587

■ 0.0000, 0.0000,  
0.4005

■ 40.9316, 44.0645,  
91.1420

■ 40.9316, 44.0645,  
91.1420

■ 35.5114, 37.7081,  
90.2016

■ 47.4345, 51.3066,  
92.1980

■ 31.0983, 32.1875,  
89.3686

■ 55.0794, 59.4704,  
93.3708

■ 27.6133, 27.4543,  
88.6387

■ 63.9266, 68.5956,  
94.6659

■ 24.9615, 23.4505,  
88.0057

■ 74.0305, 78.7177,  
96.0871

■ 22.9912, 20.0884,  
87.4606

■ 85.4419, 89.8702,  
97.6383

■ 22.9540, 20.0236,  
87.4500

■ 93.1778, 99.2511,  
99.0412

# Harmonies

## Analogous

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



35.4235, 44.0645, 82.2880



40.9316, 44.0645, 91.1420



47.2606, 44.0645, 86.2806

# Triad

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



40.9316, 44.0645, 91.1420



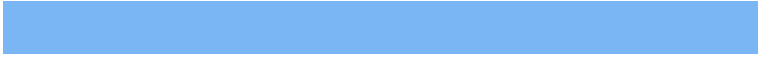
53.7063, 44.0645, 34.6581



32.7406, 44.0645, 30.9726

# Complementary

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



40.9316, 44.0645, 91.1420



57.4099, 54.3286, 25.8747

# 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.



36.9278, 44.0645, 23.1152



40.9316, 44.0645, 91.1420



49.0814, 44.0645, 24.8421

# Square

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



40.9316, 44.0645, 91.1420



55.0474, 44.0645, 50.7740



42.8470, 44.0645, 21.1879

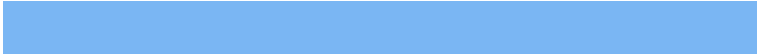


31.0032, 44.0645, 45.2880



# Rectangle

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



40.9316, 44.0645, 91.1420



51.0453, 44.0645, 76.4285



42.8470, 44.0645, 21.1879



33.8867, 44.0645, 27.6433

# Sweetspot

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



40.9331, 44.0661, 91.1431



76.5050, 81.7614, 106.3570



48.5733, 71.6380, 55.7965



15.8738, 16.9961, 22.6939



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

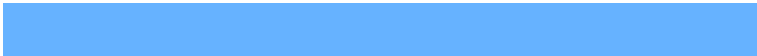


# Same Dimension

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



40.9331, 44.0661, 91.1431



39.4235, 41.8328, 100.6044



31.1648, 24.5295, 87.8870



16.2599, 17.2841, 21.0217



12.7325, 11.2588, 48.0401



1.2218, 1.1949, 4.2565



# Inverse Universe

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



52.3665, 36.3527, 48.5142



54.0139, 33.9718, 45.7600



72.5266, 84.5620, 30.9136



16.8418, 16.6196, 18.9133



22.2313, 11.2360, 11.1923

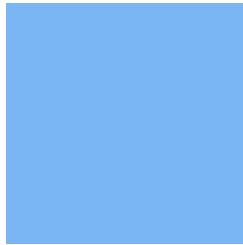


2.0057, 1.0083, 1.2566



# Previews

## White Background



This preview shows how the XYZ color 40.9316, 44.0645, 91.1420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

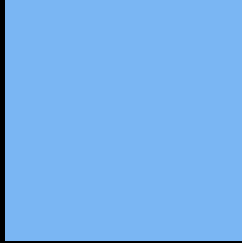
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.9316, 44.0645, 91.1420 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

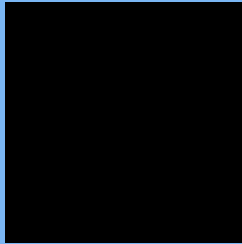
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

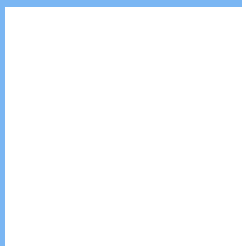
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.9316, 44.0645, 91.1420**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.9316, 44.0645, 91.1420.



This preview shows how white text looks on a background with the XYZ color 40.9316, 44.0645,



# 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

40.9316, 44.0645, 91.1420

### Protanopia

44.7202, 43.7575, 86.2098

### Deuteranopia

44.9439, 43.7347, 92.4590



## Tritanopia

35.4034, 44.0060, 63.7548

# Trichromacy



**Original Color**

40.9316, 44.0645, 91.1420

**Protanomaly**

43.1562, 43.7873, 87.8386

**Deuteranomaly**

43.2066, 43.7267, 91.7508

**Tritanomaly**

37.1532, 43.7572, 72.8175

# Monochromacy



**Original Color**

40.9316, 44.0645, 91.1420

**Achromatopsia**

38.7082, 40.7240, 44.3485

**Achromatomaly**

38.5449, 41.4635, 58.7950

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.9316, 44.0645, 91.1420 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(122, 182, 243)` looks like.

```
.text, #text, p{  
    color:rgb(122, 182, 243)  
}
```

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(122, 182, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 182, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 40.9316, 44.0645, 91.1420 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(122, 182, 243) }
```



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

```
.border{ border-color:rgb(122, 182, 243) }
```

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

Here you see how a box with a 4 pixel rgb(122, 182, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 182, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 182, 243);  
box-shadow:4px 4px 4px 4px rgb(122, 182,  
243) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.9316, 44.0645, 91.1420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 182, 243) }
```

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

```
.background{ background-color: rgb(122,  
182, 243) }
```

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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