

# Converting Colors

XYZ(42.2173, 43.0097,  
100.6844)

Have a look what the booklet for  
XYZ(42.2173, 43.0097, 100.6844)  
contains.

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# Color

**XYZ(42.2296, 43.0243,  
100.6865)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DB1FF
RGB	125, 177, 255
RGB Percent	49%, 69%, 100%
CMY	0.5098, 0.3059, 0.0000
CMYK	0.51, 0.31, 0.00, 0.00
HSL	216°, 100%, 75%
HSV	216°, 51%, 100%
XYZ	42.2296, 43.0243, 100.6865
YIQ	170.3440, -56.0300, 13.2340

# Conversions

## Conversions Part 2

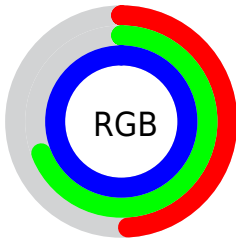
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">125, 162, 255</a>
Decimal	<a href="#">8237567</a>
CIELab	<a href="#">71.57, 4.07, -43.86</a>
CIELCh	<a href="#">72, 44.053, 275.298</a>
Yxy	<a href="#">43.0243, 0.2271, 0.2314</a>
Android (android.graphics.Color)	<a href="#">4286427647 (0xFF7DB1FF)</a>
YUV	<a href="#">170.3440, 41.7354, -39.7667</a>
Hunter-Lab	<a href="#">65.5929, 0.1331, -45.0964</a>

# Details

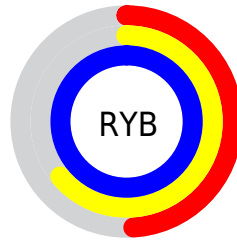
The XYZ color **42.2296, 43.0243, 100.6865** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **66.2988, 65.4543, 28.5437**, and the grayscale version is **38.1997, 40.1891, 43.7659**.

A 20% lighter version of the original color is **66.6738, 75.1236, 105.5940**, and **19.6410, 19.8344, 56.2193** is the 20% darker color. If you saturate the color by 10%, you get **36.1190, 35.6372, 99.5827**, and if you desaturate by 10%, it is **49.6372, 51.5846, 101.9484**.

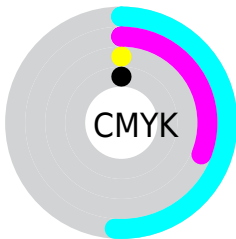
# Distribution



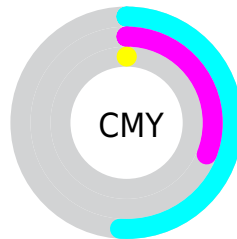
- Red (49%)
- Green (69%)
- Blue (100%)



- Red (49%)
- Yellow (64%)
- Blue (100%)



- Cyan (51%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (31%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2296, 43.0243, 100.6865 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 42.2296, 43.0243, 100.6865 by changing the saturation by 10% instead.



■ 42.2296, 43.0243,  
100.6865

■ 42.2296, 43.0243,  
100.6865

346.4093,  
358.7117, 583.6569

■ 29.4730, 29.9042,  
76.2539

■ 77.8100, 79.7475,  
164.1604

■ 19.5850, 19.7659,  
56.1328

■ 101.3645,  
104.1194, 204.0387

■ 12.2003, 12.2250,  
39.9047

■ 129.2490,  
133.0107, 249.9028

■ 6.9534, 6.8971,  
27.1510

161.8289,  
166.8058, 302.1710

■ 3.4790, 3.3978,  
17.4533

199.4695,  
205.8890, 361.2620

■ 1.4119, 1.3428,  
10.3928

242.5362,

■ 0.2646, 0.1740,

250.6448, 427.5943

5.5512

291.3944,  
301.4576, 501.5864

■ 0.0000, 0.0000,  
2.5098

■ 0.0000, 0.0000,  
0.8453

■ 42.2296, 43.0243,  
100.6865

■ 42.2296, 43.0243,  
100.6865

■ 36.1190, 35.6372,  
99.5827

■ 49.6372, 51.5846,  
101.9484

■ 31.2155, 29.3581,  
98.6292

■ 58.4151, 61.3692,  
103.3744

■ 27.4230, 24.1208,  
97.8182

■ 68.6355, 72.4314,  
104.9709

■ 24.6261, 19.8474,  
97.1407

■ 80.3642, 84.8195,  
106.7439

■ 22.8012, 16.7224,  
96.6337

93.6629, 98.5790,  
108.6988

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.



35.1970, 43.0243, 94.8458



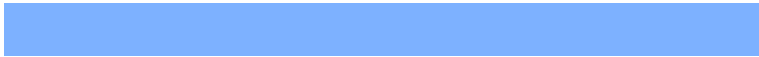
42.2296, 43.0243, 100.6865



49.7369, 43.0243, 88.9146

# Triad

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



42.2296, 43.0243, 100.6865



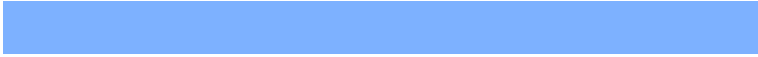
53.7272, 43.0243, 26.9225



29.2162, 43.0243, 31.7147

# Complementary

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



42.2296, 43.0243, 100.6865



66.2988, 65.4543, 28.5437

# 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.



33.1655, 43.0243, 20.7165



42.2296, 43.0243, 100.6865



47.1733, 43.0243, 18.5956

# Square

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



42.2296, 43.0243, 100.6865



56.8708, 43.0243, 43.1611



39.5855, 43.0243, 16.7297



28.2293, 43.0243, 50.7352



# Rectangle

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



42.2296, 43.0243, 100.6865



53.8297, 43.0243, 74.2830



39.5855, 43.0243, 16.7297



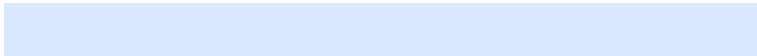
30.2157, 43.0243, 27.1647

# Sweetspot

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



42.2310, 43.0258, 100.6867



75.4616, 79.6747, 106.0092



54.9981, 80.1923, 69.0814



15.6233, 16.4952, 22.6104



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

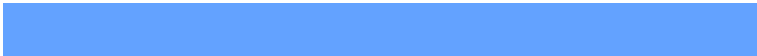


# Same Dimension

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



42.2310, 43.0258, 100.6867



36.1070, 35.6222, 99.5805



35.8665, 27.2925, 97.9853



17.5993, 18.5702, 22.9068



12.0504, 9.0105, 50.5387



1.2767, 1.0841, 4.9552



# Inverse Universe

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



56.5105, 39.1032, 46.1656



52.2368, 32.8661, 37.6189



76.0802, 91.8782, 33.1285



18.3104, 18.1075, 20.2516



22.8707, 11.6376, 7.9696



2.2790, 1.1540, 1.0508



# Previews

## White Background



This preview shows how the XYZ color 42.2296, 43.0243, 100.6865 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 42.2296, 43.0243, 100.6865 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

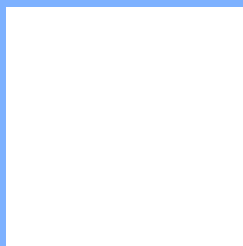
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 42.2296, 43.0243, 100.6865

## Background



This preview shows how black text looks on a background with the XYZ color 42.2296, 43.0243, 100.6865.



This preview shows how white text looks on a background with the XYZ color 42.2296, 43.0243,



# 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

42.2296, 43.0243, 100.6865

### Protanopia

44.5595, 42.8596, 97.1910

### Deuteranopia

43.9781, 42.7699, 100.5453



## Tritanopia

34.6153, 42.9931, 62.3512

# Trichromacy



## Original Color

42.2296, 43.0243, 100.6865

## Protanomaly

43.5220, 42.8758, 98.0775

## Deuteranomaly

43.1777, 42.6430, 100.5630

## Tritanomaly

36.9241, 42.6648, 74.6956

# Monochromacy



## Original Color

42.2296, 43.0243, 100.6865

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

38.8126, 40.9742, 61.1215

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.2296, 43.0243, 100.6865 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(125, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 177, 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(125, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 177, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 42.2296, 43.0243, 100.6865 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(125, 177, 255) }
```



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

```
.border{ border-color:rgb(125, 177, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 177,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.2296, 43.0243, 100.6865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 177, 255) }
```

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

```
.background{ background-color: rgb(125,  
177, 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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