

# Converting Colors

XYZ(46.8754, 52.5366, 76.6719)

Have a look what the booklet for  
XYZ(46.8754, 52.5366, 76.6719)  
contains.

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# Color

**XYZ(46.8965, 52.6307,  
76.7943)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BC6DE
RGB	155, 198, 222
RGB Percent	61%, 78%, 87%
CMY	0.3921, 0.2235, 0.1294
CMYK	0.30, 0.11, 0.00, 0.13
HSL	201°, 50%, 74%
HSV	201°, 30%, 87%
XYZ	46.8965, 52.6307, 76.7943
YIQ	187.8790, -33.3320, -1.6520

# Conversions

## Conversions Part 2

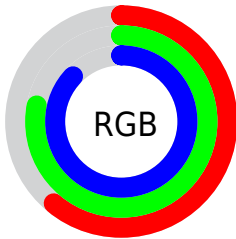
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 181, 222
Decimal	10208990
CIELab	77.66, -8.59, -16.55
CIELCh	78, 18.649, 242.558
Yxy	52.6307, 0.2660, 0.2985
Android (android.graphics.Color)	4288399070 (0xFF9BC6DE)
YUV	187.8790, 16.8217, -28.8349
Hunter-Lab	72.5470, -11.5697, -11.9782

# Details

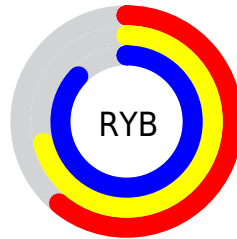
The XYZ color **46.8965, 52.6307, 76.7943** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.1615, 50.1369, 37.9399**, and the grayscale version is **47.6537, 50.1355, 54.5975**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **22.4278, 25.5613, 40.3110** is the 20% darker color. If you saturate the color by 10%, you get **41.2515, 47.0940, 76.0240**, and if you desaturate by 10%, it is **53.4234, 58.7662, 77.6355**.

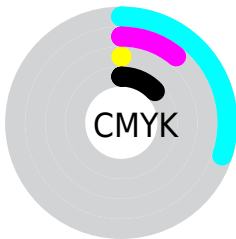
# Distribution



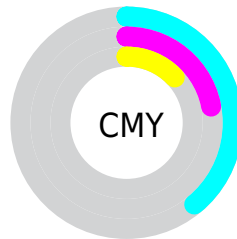
- Red (61%)
- Green (78%)
- Blue (87%)



- Red (61%)
- Yellow (71%)
- Blue (87%)



- Cyan (30%)
- Magenta (11%)
- Yellow (0%)
- Black (13%)



- Cyan (39%)
- Magenta (22%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8965, 52.6307, 76.7943 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 46.8965, 52.6307, 76.7943 by changing the saturation by 10% instead.



■ 46.8965, 52.6307,  
76.7943

■ 46.8965, 52.6307,  
76.7943

365.0571,  
396.8667, 503.4814

■ 33.1614, 37.5080,  
56.5735

■ 84.7788, 94.0607,  
130.6194

■ 22.4100, 25.6011,  
40.2558

■ 109.6567,  
121.1369, 165.0609

■ 14.2767, 16.5255,  
27.4228

138.9797,  
152.9663, 205.0796

■ 8.3964, 9.8967,  
17.6558

173.1130,  
189.9334, 251.0941

■ 4.4035, 5.3305,  
10.5362

212.4221,  
232.4226, 303.5230

■ 1.9329, 2.4425,  
5.6457

257.2722,

■ 0.5958, 0.8476,

280.8183, 362.7849

2.5656

308.0287,  
335.5049, 429.2982

■ 0.0000, 0.0000,  
0.8746

■ 0.0000, 0.0000,  
0.0000

■ 46.8965, 52.6307,  
76.7943

■ 46.8965, 52.6307,  
76.7943

■ 41.2515, 47.0940,  
76.0240

■ 53.4234, 58.7662,  
77.6355

■ 36.4392, 42.1249,  
75.3185

■ 60.8684, 65.5175,  
78.5462

■ 32.4126, 37.6981,  
74.6763

■ 69.2717, 72.9086,  
79.5299

■ 29.1175, 33.7835,  
74.0944

■ 78.6692, 80.9602,  
80.5887

■ 26.4926, 30.3471,  
73.5694

■ 84.9303, 87.5446,  
81.5297

■ 24.4648, 27.3489,  
73.0976

■ 87.2938, 92.2715,  
82.3175

■ 22.9303, 24.7646,  
72.6796

■ 89.7607, 97.2055,  
83.1398

■ 90.1850, 98.0540,  
83.2812

# Harmonies

## Analogous

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



44.4052, 52.6307, 68.6687



46.8965, 52.6307, 76.7943



50.3340, 52.6307, 79.5173

# Triad

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



46.8965, 52.6307, 76.7943



57.2742, 52.6307, 56.4243



46.3850, 52.6307, 42.1474

# Complementary

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



46.8965, 52.6307, 76.7943



52.1615, 50.1369, 37.9399

# 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.



49.7151, 52.6307, 39.6713



46.8965, 52.6307, 76.7943



56.0976, 52.6307, 47.2713

# Square

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



46.8965, 52.6307, 76.7943



56.4322, 52.6307, 66.9516



53.2873, 52.6307, 41.4295



44.1201, 52.6307, 48.6342



# Rectangle

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



46.8965, 52.6307, 76.7943



52.7308, 52.6307, 77.6667



53.2873, 52.6307, 41.4295



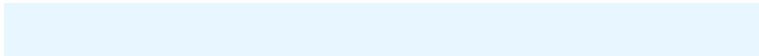
47.4112, 52.6307, 40.8562

# Sweetspot

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



46.8981, 52.6328, 76.7955



84.5384, 90.7711, 107.6727



47.7212, 62.4447, 51.8959



17.7530, 19.1241, 23.0056



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

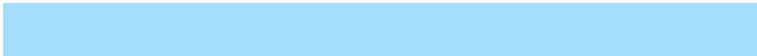


# Same Dimension

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



46.8981, 52.6328, 76.7955



59.3481, 67.3335, 104.4764



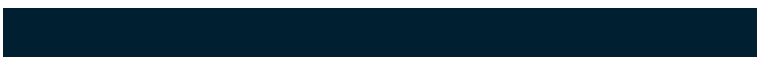
40.1678, 39.1722, 74.5521



13.6821, 14.7032, 17.5046



13.7286, 14.9268, 43.2060



1.0353, 1.2021, 3.0227



# Inverse Universe

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



52.0399, 43.0509, 58.9953



67.5735, 52.8058, 75.8219



59.5726, 64.9592, 40.4103



14.0757, 13.8479, 16.1690



20.8698, 10.4149, 16.5119



1.4888, 0.7388, 1.3671



# Previews

## White Background



This preview shows how the XYZ color 46.8965, 52.6307, 76.7943 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

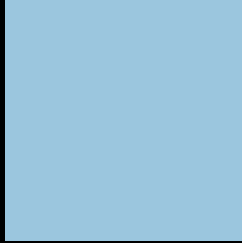
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.8965, 52.6307, 76.7943 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

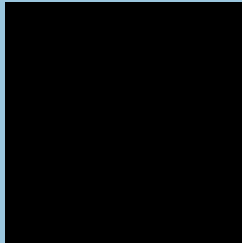
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.8965, 52.6307, 76.7943**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.8965, 52.6307, 76.7943.



This preview shows how white text looks on a background with the XYZ color 46.8965, 52.6307,



# 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

46.8965, 52.6307, 76.7943

### Protanopia

51.4314, 52.4015, 73.0494

### Deuteranopia

53.4730, 52.3918, 77.8153



## Tritanopia

45.8260, 52.5254, 72.0131

# Trichromacy



## Original Color

46.8965, 52.6307, 76.7943

## Protanomaly

49.5353, 52.3684, 74.5151

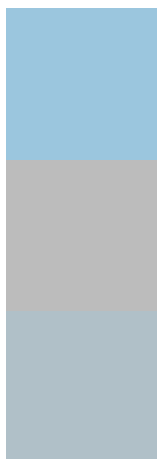
## Deuteranomaly

50.7725, 52.2926, 77.2295

## Tritanomaly

46.4047, 52.7788, 74.0712

# Monochromacy



## Original Color

46.8965, 52.6307, 76.7943

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

47.1795, 51.0995, 62.0201

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.8965, 52.6307, 76.7943 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(155, 198, 222)` looks like.

```
.text, #text, p{  
    color:rgb(155, 198, 222)  
}
```

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(155, 198, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 198, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 46.8965, 52.6307, 76.7943 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(155, 198, 222) }
```



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

```
.border{ border-color:rgb(155, 198, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 198, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 198, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 198, 222);  
box-shadow:4px 4px 4px 4px rgb(155, 198,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.8965, 52.6307, 76.7943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 198, 222) }
```

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

```
.background{ background-color: rgb(155,  
198, 222) }
```

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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