

# Converting Colors

XYZ(47.2722, 51.9469, 82.5658)

Have a look what the booklet for  
XYZ(47.2722, 51.9469, 82.5658)  
contains.

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# Color

**XYZ(47.3493, 52.0631,  
82.4165)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9AC4E6
RGB	154, 196, 230
RGB Percent	60%, 77%, 90%
CMY	0.3961, 0.2314, 0.0980
CMYK	0.33, 0.15, 0.00, 0.10
HSL	207°, 60%, 75%
HSV	207°, 33%, 90%
XYZ	47.3493, 52.0631, 82.4165
YIQ	187.3180, -35.9460, 1.6700

# Conversions

## Conversions Part 2

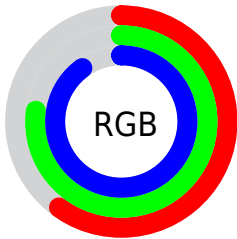
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 181, 230
Decimal	10142950
CIELab	77.32, -5.87, -21.38
CIELCh	77, 22.167, 254.644
Yxy	52.0631, 0.2604, 0.2863
Android (android.graphics.Color)	4288333030 (0xFF9AC4E6)
YUV	187.3180, 21.0422, -29.2199
Hunter-Lab	72.1548, -9.1358, -17.2138

# Details

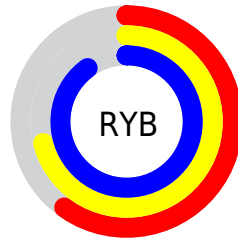
The XYZ color **47.3493, 52.0631, 82.4165** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.4499, 55.1232, 38.2379**, and the grayscale version is **47.3144, 49.7784, 54.2087**.

A 20% lighter version of the original color is **79.7536, 91.1722, 108.0023**, and **22.5685, 25.1113, 43.7019** is the 20% darker color. If you saturate the color by 10%, you get **41.1425, 45.5365, 81.4848**, and if you desaturate by 10%, it is **54.5572, 59.3445, 83.4430**.

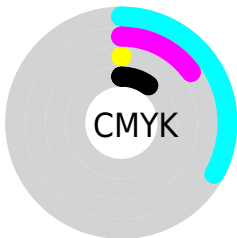
# Distribution



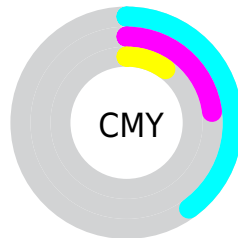
- Red (60%)
- Green (77%)
- Blue (90%)



- Red (60%)
- Yellow (71%)
- Blue (90%)



- Cyan (33%)
- Magenta (15%)
- Yellow (0%)
- Black (10%)



- Cyan (40%)
- Magenta (23%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3493, 52.0631, 82.4165 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 47.3493, 52.0631, 82.4165 by changing the saturation by 10% instead.



■ 47.3493, 52.0631,  
82.4165

■ 47.3493, 52.0631,  
82.4165

366.8327,  
394.6802, 522.9598

■ 33.5210, 37.0554,  
61.1711

■ 85.4504, 93.2243,  
138.5998

■ 22.6870, 25.2504,  
43.9318

■ 110.4538,  
120.1465, 174.3749

■ 14.4820, 16.2637,  
30.2801

139.9130,  
151.8091, 215.8301

■ 8.5406, 9.7109,  
19.7974

174.1933,  
188.5963, 263.3843

■ 4.4974, 5.2077,  
12.0653

213.6601,  
230.8927, 317.4557

■ 1.9872, 2.3697,  
6.6651

258.6787,

■ 0.6268, 0.8102,

279.0825, 378.4631

3.1783

309.6144,  
333.5502, 446.8250

■ 0.0000, 0.0000,  
1.1864

■ 0.0000, 0.0000,  
0.0000

■ 47.3493, 52.0631,  
82.4165

■ 47.3493, 52.0631,  
82.4165

■ 41.1425, 45.5365,  
81.4848

■ 54.5572, 59.3445,  
83.4430

■ 35.8808, 39.7275,  
80.6408

■ 62.8087, 67.4035,  
84.5636

■ 31.5095, 34.6043,  
79.8824

■ 72.1495, 76.2694,  
85.7826

■ 27.9659, 30.1294,  
79.2054

■ 82.6210, 85.9678,  
87.1026

■ 25.1780, 26.2608,  
78.6056

■ 88.9213, 93.7697,  
88.2765

■ 23.0592, 22.9482,  
78.0779

■ 91.2831, 98.4932,  
89.0638

■ 21.8868, 20.9206,  
77.7483

# Harmonies

## Analogous

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



43.8888, 52.0631, 74.7978



47.3493, 52.0631, 82.4165



51.5816, 52.0631, 82.5134

# Triad

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



47.3493, 52.0631, 82.4165



57.8295, 52.0631, 50.9684



43.9552, 52.0631, 41.5980

# Complementary

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



47.3493, 52.0631, 82.4165



56.4499, 55.1232, 38.2379

# 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.



47.4448, 52.0631, 36.9060



47.3493, 52.0631, 82.4165



55.5365, 52.0631, 41.7659

# Square

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



47.3493, 52.0631, 82.4165



57.8002, 52.0631, 63.1219



51.6828, 52.0631, 36.9627



42.0071, 52.0631, 50.7066



# Rectangle

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



47.3493, 52.0631, 82.4165



54.2824, 52.0631, 78.2317



51.6828, 52.0631, 36.9627



44.9778, 52.0631, 39.5139

# Sweetspot

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



47.3509, 52.0651, 82.4177



82.7511, 88.4169, 107.3125



50.5870, 67.0498, 57.2533



17.3666, 18.5944, 22.9237



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

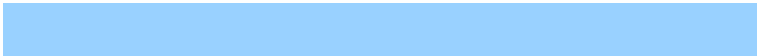


# Same Dimension

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



47.3509, 52.0651, 82.4177



54.0784, 59.7753, 103.2953



40.0203, 37.4039, 79.9742



14.2399, 15.2012, 18.3279



12.5148, 12.0917, 44.0575



1.0172, 1.0783, 3.2865



# Inverse Universe

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



54.1539, 43.9212, 57.8502



64.1858, 48.6643, 66.5726



65.3741, 72.9715, 41.2126



14.7087, 14.5007, 16.6663



20.7104, 10.4184, 12.6358

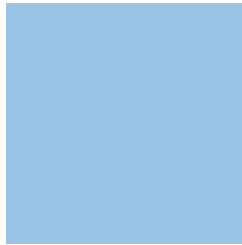


1.5771, 0.7885, 1.1794



# Previews

## White Background



This preview shows how the XYZ color 47.3493, 52.0631, 82.4165 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

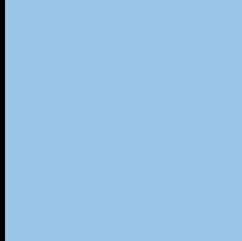
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.3493, 52.0631, 82.4165 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

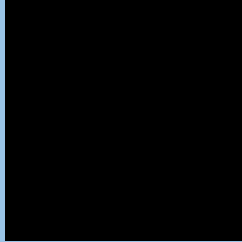
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.3493, 52.0631, 82.4165**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.3493, 52.0631, 82.4165.



This preview shows how white text looks on a background with the XYZ color 47.3493, 52.0631,



# 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

47.3493, 52.0631, 82.4165

### Protanopia

51.3166, 51.8987, 78.5469

### Deuteranopia

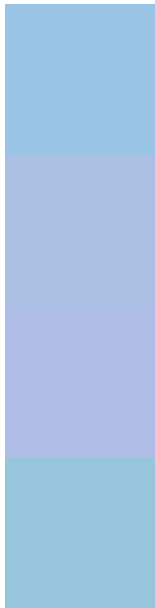
52.8634, 51.6354, 83.5244



## Tritanopia

45.2668, 52.2372, 71.9869

# Trichromacy



## Original Color

47.3493, 52.0631, 82.4165

## Protanomaly

49.7280, 52.0160, 80.0922

## Deuteranomaly

50.7418, 51.8265, 82.9305

## Tritanomaly

45.8748, 52.1348, 75.3553

# Monochromacy



## Original Color

47.3493, 52.0631, 82.4165

## Achromatopsia

47.2335, 49.6933, 54.1160

## Achromatomaly

46.8721, 50.2527, 63.7292

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3493, 52.0631, 82.4165 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(154, 196, 230)` looks like.

```
.text, #text, p{  
    color:rgb(154, 196, 230)  
}
```

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(154, 196, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 196, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3493, 52.0631, 82.4165 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(154, 196, 230) }
```



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

```
.border{ border-color:rgb(154, 196, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 196, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 196, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 196, 230); box-shadow:4px 4px 4px 4px rgb(154, 196, 230) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3493, 52.0631, 82.4165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 196, 230) }
```

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

```
.background{ background-color: rgb(154,  
196, 230) }
```

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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