

# Converting Colors

XYZ(47.4765, 56.4745, 82.3097)

Have a look what the booklet for  
XYZ(47.4765, 56.4745, 82.3097)  
contains.

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# Color

**XYZ(47.3462, 56.2579,  
82.4922)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BD0E5
RGB	139, 208, 229
RGB Percent	55%, 82%, 90%
CMY	0.4549, 0.1843, 0.1020
CMYK	0.39, 0.09, 0.00, 0.10
HSL	194°, 63%, 72%
HSV	194°, 39%, 90%
XYZ	47.3462, 56.2579, 82.4922
YIQ	189.7630, -47.8650, -8.0970

# Conversions

## Conversions Part 2

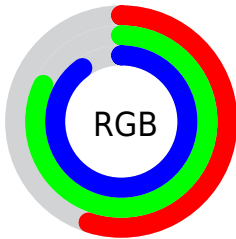
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 178, 229
Decimal	9162981
CIELab	79.76, -16.40, -17.22
CIELCh	80, 23.784, 226.392
Yxy	56.2579, 0.2544, 0.3023
Android (android.graphics.Color)	4287353061 (0xFF8BD0E5)
YUV	189.7630, 19.3438, -44.5192
Hunter-Lab	75.0053, -18.5832, -12.7046

# Details

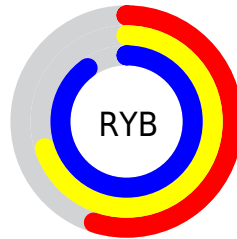
The XYZ color **47.3462, 56.2579, 82.4922** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.5451, 43.6645, 30.2444**, and the grayscale version is **48.7207, 51.2580, 55.8199**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **22.8517, 28.0520, 44.2546** is the 20% darker color. If you saturate the color by 10%, you get **42.6352, 51.9292, 81.9060**, and if you desaturate by 10%, it is **52.9054, 61.0916, 83.1332**.

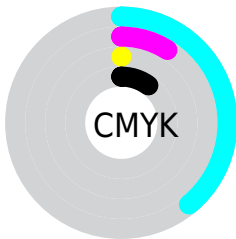
# Distribution



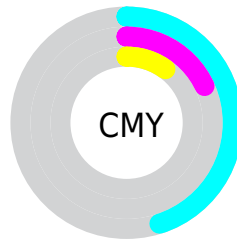
- Red (55%)
- Green (82%)
- Blue (90%)



- Red (55%)
- Yellow (70%)
- Blue (90%)



- Cyan (39%)
- Magenta (9%)
- Yellow (0%)
- Black (10%)



- Cyan (45%)
- Magenta (18%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3462, 56.2579, 82.4922 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 47.3462, 56.2579, 82.4922 by changing the saturation by 10% instead.



■ 47.3462, 56.2579,  
82.4922

■ 47.3462, 56.2579,  
82.4922

366.8206,  
410.6627, 523.2192

■ 33.5185, 40.4097,  
61.2332

■ 85.4458, 99.3816,  
138.7069

■ 22.6851, 27.8582,  
43.9816

■ 110.4484,  
127.4258, 174.4996

■ 14.4806, 18.2188,  
30.3189

139.9066,  
160.3043, 215.9740

■ 8.5396, 11.1072,  
19.8267

174.1859,  
198.4013, 263.5485

■ 4.4968, 6.1390,  
12.0863

213.6516,  
242.1012, 317.6417

■ 1.9869, 2.9298,  
6.6792

258.6691,

■ 0.6266, 1.0952,

291.7885, 378.6722

3.1869

309.6036,  
347.8475, 447.0586

■ 0.0000, 0.0000,  
1.1909

■ 0.0000, 0.0000,  
0.0000

■ 47.3462, 56.2579,  
82.4922

■ 47.3462, 56.2579,  
82.4922

■ 42.6352, 51.9292,  
81.9060

■ 52.9054, 61.0916,  
83.1332

■ 38.7164, 48.0721,  
81.3680

■ 59.3540, 66.4484,  
83.8273

■ 35.5349, 44.6589,  
80.8769

■ 66.7368, 72.3530,  
84.5779

■ 33.0264, 41.6559,  
80.4295

■ 75.0938, 78.8270,  
85.3870

■ 31.1146, 39.0231,  
80.0220

■ 84.4627, 85.8901,  
86.2565

■ 29.6779, 36.6972,  
79.6488

■ 86.5611, 89.2734,  
86.7990

■ 29.5846, 36.5404,  
79.6235

■ 88.1578, 92.4668,  
87.3312

■ 89.8012, 95.7536,  
87.8790

■ 91.1430, 98.4372,  
88.3263

# Harmonies

## Analogous

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



45.0850, 56.2579, 69.0340



47.3462, 56.2579, 82.4922



51.3261, 56.2579, 90.7549

# Triad

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



47.3462, 56.2579, 82.4922



62.9678, 56.2579, 67.6969



50.9050, 56.2579, 39.2072

# Complementary

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



47.3462, 56.2579, 82.4922



49.5451, 43.6645, 30.2444

# 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.



55.6757, 56.2579, 38.9604



47.3462, 56.2579, 82.4922



62.8383, 56.2579, 54.0840

# Square

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



47.3462, 56.2579, 82.4922



60.4475, 56.2579, 81.3877



60.1034, 56.2579, 44.0171



47.0539, 56.2579, 44.7510



# Rectangle

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



47.3462, 56.2579, 82.4922



54.5072, 56.2579, 91.5088



60.1034, 56.2579, 44.0171



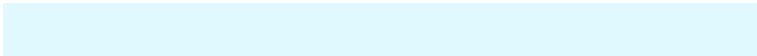
52.4489, 56.2579, 38.5341

# Sweetspot

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



47.3479, 56.2601, 82.4935



82.4392, 90.1804, 107.6693



44.8828, 64.0147, 42.5659



17.3750, 19.0872, 23.0184



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

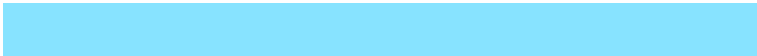


# Same Dimension

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



47.3479, 56.2601, 82.4935



55.5451, 67.3420, 104.6785



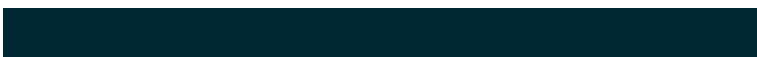
38.1568, 37.8779, 79.4298



14.5075, 15.7363, 18.4171



17.0110, 21.0842, 45.5563



1.3264, 1.6967, 3.3896



# Inverse Universe

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



52.9323, 39.6788, 64.5459



63.7952, 44.1780, 77.8649



58.4487, 61.4718, 33.2122



14.8437, 14.5547, 17.3775



22.9799, 11.3262, 24.5869

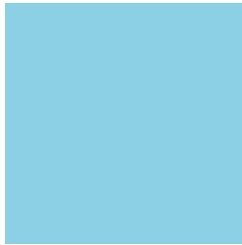


1.7331, 0.8510, 2.0011



# Previews

## White Background



This preview shows how the XYZ color 47.3462, 56.2579, 82.4922 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

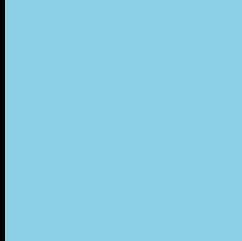
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.3462, 56.2579, 82.4922 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 47.3462, 56.2579, 82.4922**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.3462, 56.2579, 82.4922.



This preview shows how white text looks on a background with the XYZ color 47.3462, 56.2579,



# 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

47.3462, 56.2579, 82.4922

### Protanopia

54.5586, 55.5881, 76.2606

### Deuteranopia

56.9683, 55.6676, 84.0863



## Tritanopia

46.8723, 56.4404, 79.6578

# Trichromacy



## Original Color

47.3462, 56.2579, 82.4922

## Protanomaly

51.3424, 55.5746, 78.5419

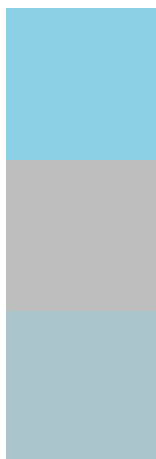
## Deuteranomaly

52.7493, 55.5048, 83.5346

## Tritanomaly

47.0092, 56.4952, 80.3785

# Monochromacy



## Original Color

47.3462, 56.2579, 82.4922

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

47.6599, 52.9501, 64.8352

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3462, 56.2579, 82.4922 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(139, 208, 229)` looks like.

```
.text, #text, p{  
    color:rgb(139, 208, 229)  
}
```

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(139, 208, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 208, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3462, 56.2579, 82.4922 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(139, 208, 229) }
```



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

```
.border{ border-color:rgb(139, 208, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 208, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 208, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 208, 229);  
box-shadow:4px 4px 4px 4px rgb(139, 208,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3462, 56.2579, 82.4922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 208, 229) }
```

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

```
.background{ background-color: rgb(139,  
208, 229) }
```

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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