

# Converting Colors

XYZ(47.3892, 59.9254, 86.2981)

Have a look what the booklet for  
XYZ(47.3892, 59.9254, 86.2981)  
contains.

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# Color

**XYZ(47.3871, 59.9479,  
86.1643)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77DAE9
RGB	119, 218, 233
RGB Percent	47%, 85%, 91%
CMY	0.5333, 0.1451, 0.0863
CMYK	0.49, 0.06, 0.00, 0.09
HSL	188°, 72%, 69%
HSV	188°, 49%, 91%
XYZ	47.3871, 59.9479, 86.1643
YIQ	190.1090, -63.8190, -16.3230

# Conversions

## Conversions Part 2

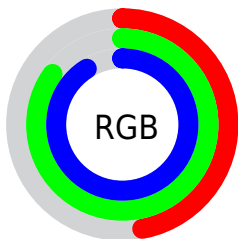
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">119, 172, 233</a>
Decimal	<a href="#">7854825</a>
CIELab	<a href="#">81.81, -25.12, -16.35</a>
CIELCh	<a href="#">82, 29.978, 213.061</a>
Yxy	<a href="#">59.9479, 0.2449, 0.3098</a>
Android (android.graphics.Color)	<a href="#">4286044905 (0xFF77DAE9)</a>
YUV	<a href="#">190.1090, 21.1453, -62.3626</a>
Hunter-Lab	<a href="#">77.4260, -26.2481, -11.7832</a>

# Details

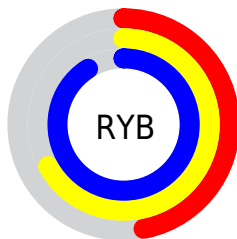
The XYZ color **47.3871, 59.9479, 86.1643** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.4603, 35.7069, 21.9505**, and the grayscale version is **48.9163, 51.4638, 56.0440**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **22.7203, 30.2386, 46.2341** is the 20% darker color. If you saturate the color by 10%, you get **43.7857, 56.9234, 85.7714**, and if you desaturate by 10%, it is **51.7906, 63.4104, 86.6016**.

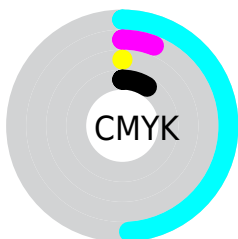
# Distribution



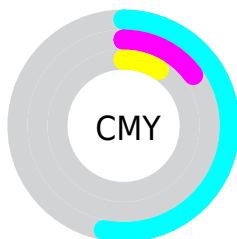
- Red (47%)
- Green (85%)
- Blue (91%)



- Red (47%)
- Yellow (67%)
- Blue (91%)



- Cyan (49%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)



- Cyan (53%)
- Magenta (15%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3871, 59.9479, 86.1643 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 47.3871, 59.9479, 86.1643 by changing the saturation by 10% instead.





 47.3871, 59.9479,  
86.1643


 47.3871, 59.9479,  
86.1643


366.9807,  
424.4057, 535.7175

 33.5510, 43.3766,  
64.2482


 85.5064, 104.7541,  
143.8873

 22.7101, 30.1807,  
46.4042


 110.5203,  
133.7578, 180.5313

 14.4991, 19.9758,  
32.2140


 139.9908,  
167.6745, 222.9216

 8.5526, 12.3775,  
21.2588

174.2834,  
206.8885, 271.4768

 4.5053, 7.0013,  
13.1202

213.7633,  
251.7842, 326.6155

 1.9918, 3.4629,  
7.3797

258.7959,

 0.6293, 1.3779,

302.7460, 388.7561

3.6186

309.7466,  
360.1584, 458.3173

■ 0.0000, 0.2004,  
1.4186

■ 0.0000, 0.0000,  
0.1561

■ 47.3871, 59.9479,  
86.1643

■ 47.3871, 59.9479,  
86.1643

■ 43.7857, 56.9234,  
85.7714

■ 51.7906, 63.4104,  
86.6016

■ 40.9226, 54.2999,  
85.4159


■ 57.0433, 67.3313,  
87.0816


■ 38.7330, 52.0452,  
85.0961


■ 63.1948, 71.7376,  
87.6079


■ 37.1384, 50.1186,  
84.8083


■ 70.2896, 76.6524,  
88.1826


 36.0191, 48.4585,  
84.5469


 78.3691, 82.0970,  
88.8076

 35.9101, 48.2872,  
84.5195

 86.0579, 87.3627,  
89.4188

 86.9501, 89.1470,  
89.7162

 87.8575, 90.9619,  
90.0186

 88.7802, 92.8073,  
90.3262

# Harmonies

## Analogous

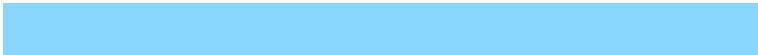
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.6829, 59.9479, 67.1499



47.3871, 59.9479, 86.1643



51.6477, 59.9479, 101.4835

# Triad

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



47.3871, 59.9479, 86.1643



68.5158, 59.9479, 82.3472



56.3320, 59.9479, 36.3182

# Complementary

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



47.3871, 59.9479, 86.1643



45.4603, 35.7069, 21.9505

# 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.



62.6644, 59.9479, 38.8985



47.3871, 59.9479, 86.1643



69.9981, 59.9479, 63.4316

# Square

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



47.3871, 59.9479, 86.1643



63.8700, 59.9479, 99.0088



67.7844, 59.9479, 48.0651



50.6018, 59.9479, 40.2300

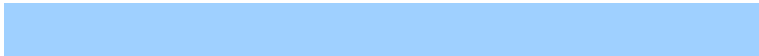


# Rectangle

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



47.3871, 59.9479, 86.1643



55.5229, 59.9479, 106.2842



67.7844, 59.9479, 48.0651



58.4597, 59.9479, 36.4572

# Sweetspot

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



47.3889, 59.9502, 86.1657



80.7666, 90.2845, 107.7775



40.9335, 63.8752, 32.1110



16.9044, 19.0575, 23.0375



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

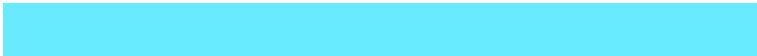


# Same Dimension

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



47.3889, 59.9502, 86.1657



53.5903, 69.7308, 105.2426



35.3613, 35.8949, 82.1565



15.3388, 16.7641, 19.3496



20.4416, 27.5302, 47.9794



1.6522, 2.2558, 3.7832



# Inverse Universe

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



52.8575, 35.5809, 70.4140



61.2711, 37.2818, 82.7202



55.1976, 55.1815, 25.1962



15.6246, 15.2777, 18.5743



25.1733, 12.2720, 33.0434

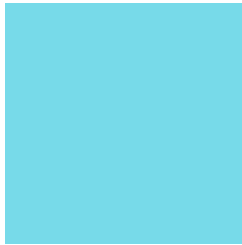


2.0004, 0.9731, 2.7196



# Previews

## White Background



This preview shows how the XYZ color 47.3871, 59.9479, 86.1643 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

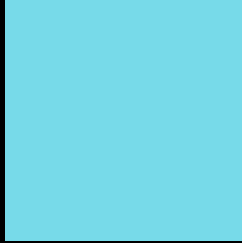
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.3871, 59.9479, 86.1643 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 47.3871, 59.9479, 86.1643**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.3871, 59.9479, 86.1643.



This preview shows how white text looks on a background with the XYZ color 47.3871, 59.9479,



# 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

47.3871, 59.9479, 86.1643

### Protanopia

57.8909, 59.3266, 77.5072

### Deuteranopia

60.4292, 59.0261, 88.3290



## Tritanopia

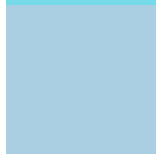
47.8125, 60.1340, 87.6843

# Trichromacy



## Original Color

47.3871, 59.9479, 86.1643



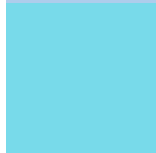
## Protanomaly

52.8349, 58.7746, 80.5114



## Deuteranomaly

54.4272, 58.7174, 87.8219



## Tritanomaly

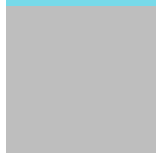
47.6684, 60.0764, 86.9254

# Monochromacy



## Original Color

47.3871, 59.9479, 86.1643



## Achromatopsia

48.9429, 51.4918, 56.0745



## Achromatomaly

47.1047, 53.6573, 66.2667

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3871, 59.9479, 86.1643 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(119, 218, 233)` looks like.

```
.text, #text, p{  
    color:rgb(119, 218, 233)  
}
```

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(119, 218, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 218, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3871, 59.9479, 86.1643 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(119, 218, 233) }
```



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

```
.border{ border-color:rgb(119, 218, 233) }
```

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

Here you see how a box with a 4 pixel rgb(119, 218, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 218, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 218, 233);  
box-shadow:4px 4px 4px 4px rgb(119, 218,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3871, 59.9479, 86.1643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 218, 233) }
```

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

```
.background{ background-color: rgb(119,  
218, 233) }
```

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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