

# Converting Colors

XYZ(47.3307, 60.9045, 74.3189)

Have a look what the booklet for  
XYZ(47.3307, 60.9045, 74.3189)  
contains.

<b>XYZ(47.3479, 60.9696, 74.2385)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(47.3479, 60.9696,  
74.2385)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83DCD8
RGB	131, 220, 216
RGB Percent	51%, 86%, 85%
CMY	0.4863, 0.1372, 0.1529
CMYK	0.40, 0.00, 0.02, 0.14
HSL	177°, 56%, 69%
HSV	177°, 40%, 86%
XYZ	47.3479, 60.9696, 74.2385
YIQ	192.9330, -51.7600, -20.1120

# Conversions

## Conversions Part 2

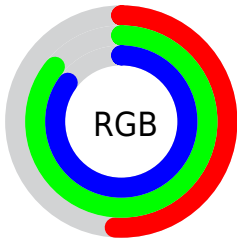
Format	Color
<b>RYB</b>	131, 177, 220
Decimal	8641752
CIELab	82.36, -27.61, -6.44
CIELCh	82, 28.356, 193.126
Yxy	60.9696, 0.2594, 0.3340
Android (android.graphics.Color)	4286831832 (0xFF83DCD8)
YUV	192.9330, 11.3720, -54.3152
Hunter-Lab	78.0830, -28.4067, -1.7126

# Details

The XYZ color **47.3479, 60.9696, 74.2385** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.0067, 33.1992, 27.1179**, and the grayscale version is **50.6078, 53.2433, 57.9820**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **22.7122, 30.9393, 38.4930** is the 20% darker color. If you saturate the color by 10%, you get **44.1686, 59.3468, 73.4252**, and if you desaturate by 10%, it is **51.2550, 62.9704, 75.0925**.

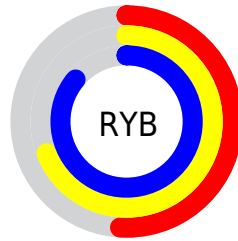
# Distribution



Red (51%)

Green (86%)

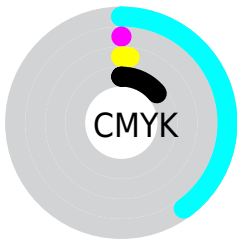
Blue (85%)



Red (51%)

Yellow (69%)

Blue (86%)

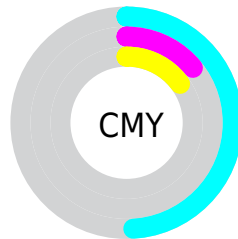


Cyan (40%)

Magenta (0%)

Yellow (2%)

Black (14%)



Cyan (49%)

Magenta (14%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3479, 60.9696, 74.2385 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 47.3479, 60.9696, 74.2385 by changing the saturation by 10% instead.





 47.3479, 60.9696,  
74.2385


 47.3479, 60.9696,  
74.2385


366.8273,  
428.1625, 494.4815


 33.5199, 44.2006,  
54.4913


 85.4483, 106.2349,  
126.9710

 22.6861, 30.8283,  
38.5987

 110.4513,  
135.5001, 160.7934

 14.4813, 20.4681,  
26.1423


 139.9101,  
169.6994, 200.1446

 8.5401, 12.7358,  
16.7034

174.1900,  
209.2173, 245.4431

 4.4972, 7.2469,  
9.8635

213.6563,  
254.4382, 297.1075

 1.9871, 3.6170,  
5.2041

258.6743,

 0.6267, 1.4617,

305.7464, 355.5564

2.3067

309.6095,  
363.5264, 421.2082

■ 0.0000, 0.2615,  
0.7350

■ 0.0000, 0.0000,  
0.0000

■ 47.3479, 60.9696,  
74.2385

■ 47.3479, 60.9696,  
74.2385

■ 44.1686, 59.3468,  
73.4252

■ 51.2550, 62.9704,  
75.0925

■ 41.6655, 58.0711,  
72.6463


■ 55.9267, 65.3639,  
75.9850


■ 39.7888, 57.1182,  
71.9007


■ 61.4036, 68.1723,  
76.9192


■ 38.4798, 56.4578,  
71.1857


■ 67.7220, 71.4145,  
77.8968

 37.6682, 56.0538,  
70.4979


 74.9160, 75.1079,  
78.9194

 37.2408, 55.8471,  
69.8614

 80.0107, 77.7191,  
79.8479

 80.1437, 77.7723,  
80.5482

 80.2775, 77.8258,  
81.2526

 80.4120, 77.8796,  
81.9611

# Harmonies

## Analogous

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



47.5201, 60.9696, 57.1814



47.3479, 60.9696, 74.2385



49.8712, 60.9696, 91.8503

# Triad

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



47.3479, 60.9696, 74.2385



66.2672, 60.9696, 93.7755



61.3907, 60.9696, 39.3465

# Complementary

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



47.3479, 60.9696, 74.2385



42.0067, 33.1992, 27.1179

# 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.



66.8568, 60.9696, 46.1246



47.3479, 60.9696, 74.2385



69.8037, 60.9696, 76.5278

# Square

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



47.3479, 60.9696, 74.2385



60.6306, 60.9696, 104.3821



70.0267, 60.9696, 59.1068



55.3492, 60.9696, 38.9501

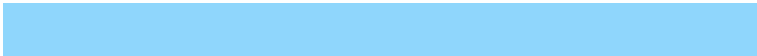


# Rectangle

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



47.3479, 60.9696, 74.2385



52.8513, 60.9696, 100.7391



70.0267, 60.9696, 59.1068



63.3661, 60.9696, 40.8922

# Sweetspot

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



47.3497, 60.9720, 74.2399



84.4538, 94.5630, 107.2517



39.7560, 58.0159, 30.5767



17.8521, 20.1252, 22.9190



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.



47.3497, 60.9720, 74.2399



62.1319, 83.1331, 102.7058



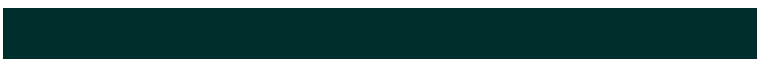
38.5913, 42.6169, 73.9048



13.4183, 14.8189, 16.6654



21.8668, 32.7794, 41.0597



1.4246, 2.1268, 2.7021



# Inverse Universe

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



42.0067, 33.1992, 27.1179



53.6497, 39.0068, 27.8709



48.1864, 46.0011, 27.8133



13.0797, 13.0610, 13.6807



17.3649, 8.9470, 1.0356

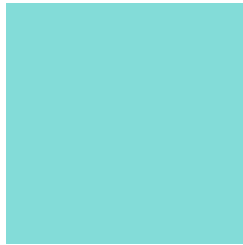


1.1335, 0.5830, 0.1121



# Previews

## White Background



This preview shows how the XYZ color 47.3479, 60.9696, 74.2385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

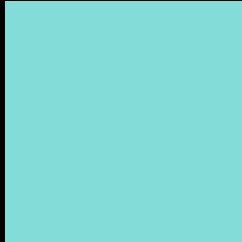
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.3479, 60.9696, 74.2385 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

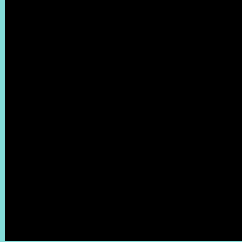
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

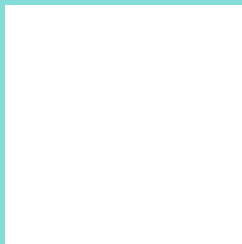
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 47.3479, 60.9696, 74.2385**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.3479, 60.9696, 74.2385.



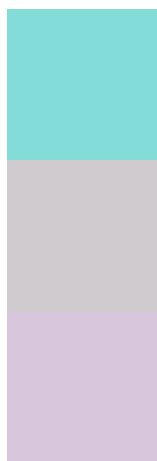
This preview shows how white text looks on a background with the XYZ color 47.3479, 60.9696,



# 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

47.3479, 60.9696, 74.2385

### Protanopia

58.2286, 60.4335, 66.9884

### Deuteranopia

61.5641, 60.2076, 76.7831



## **Tritanopia**

49.9616, 60.8581, 87.7108

# Trichromacy



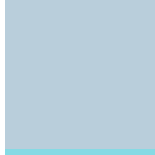
## Original Color

47.3479, 60.9696, 74.2385



## Protanomaly

53.0237, 59.8378, 69.7280



## Deuteranomaly

54.8651, 59.5714, 75.6246



## Tritanomaly

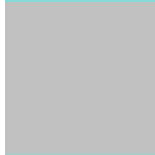
48.9065, 60.8126, 82.5591

# Monochromacy



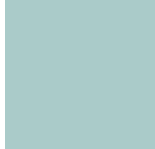
## Original Color

47.3479, 60.9696, 74.2385



## Achromatopsia

50.6879, 53.3276, 58.0738



## Achromatomaly

48.4761, 55.4750, 63.4111

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3479, 60.9696, 74.2385 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(131, 220, 216)` looks like.

```
.text, #text, p{  
    color:rgb(131, 220, 216)  
}
```

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(131, 220, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 220, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3479, 60.9696, 74.2385 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(131, 220, 216) }
```



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

```
.border{ border-color:rgb(131, 220, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 220, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 220, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 220, 216);  
box-shadow:4px 4px 4px 4px rgb(131, 220,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3479, 60.9696, 74.2385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 220, 216) }
```

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

```
.background{ background-color: rgb(131,  
220, 216) }
```

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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