

# Converting Colors

XYZ(30.5126, 39.9861, 60.1440)

Have a look what the booklet for  
XYZ(30.5126, 39.9861, 60.1440)  
contains.

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# Color

**XYZ(30.5099, 39.9823,  
60.1421)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DB8C7
RGB	77, 184, 199
RGB Percent	30%, 72%, 78%
CMY	0.6980, 0.2784, 0.2196
CMYK	0.61, 0.08, 0.00, 0.22
HSL	187°, 52%, 54%
HSV	187°, 61%, 78%
XYZ	30.5099, 39.9823, 60.1421
YIQ	153.7170, -68.5870, -18.0190

# Conversions

## Conversions Part 2

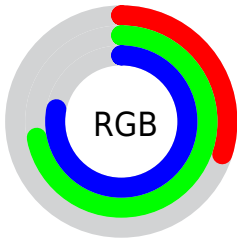
Format	Color
<a href="#">RYB</a>	<a href="#">77, 134, 199</a>
Decimal	<a href="#">5093575</a>
CIELab	<a href="#">69.46, -26.00, -16.76</a>
CIELCh	<a href="#">69, 30.932, 212.805</a>
Yxy	<a href="#">39.9823, 0.2336, 0.3061</a>
Android (android.graphics.Color)	<a href="#">4283283655 (0xFF4DB8C7)</a>
YUV	<a href="#">153.7170, 22.3245, -67.2808</a>
Hunter-Lab	<a href="#">63.2316, -24.5271, -12.1310</a>

# Details

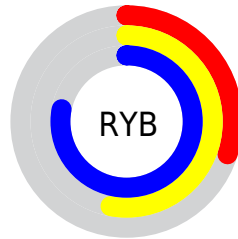
The XYZ color **30.5099, 39.9823, 60.1421** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **28.7209, 20.3334, 9.4335**, and the grayscale version is **30.5194, 32.1088, 34.9665**.

A 20% lighter version of the original color is **59.6913, 74.9434, 105.9272**, and **13.2271, 18.2769, 29.6187** is the 20% darker color. If you saturate the color by 10%, you get **28.6396, 38.2710, 59.9111**, and if you desaturate by 10%, it is **32.8825, 41.9673, 60.4009**.

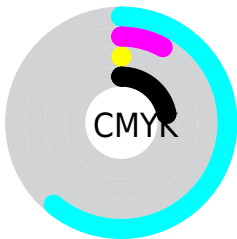
# Distribution



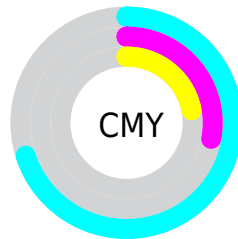
- Red (30%)
- Green (72%)
- Blue (78%)



- Red (30%)
- Yellow (53%)
- Blue (78%)



- Cyan (61%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)



- Cyan (70%)
- Magenta (28%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5099, 39.9823, 60.1421 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 30.5099, 39.9823, 60.1421 by changing the saturation by 10% instead.



■ 30.5099, 39.9823,  
60.1421

■ 30.5099, 39.9823,  
60.1421

296.1414,  
346.0490, 442.9405

■ 20.3759, 27.5247,  
43.1071

■ 59.8487, 75.1366,  
106.5812

■ 12.7785, 17.9677,  
29.6372

■ 79.7843, 98.6021,  
136.8223

■ 7.3521, 10.9268,  
19.3136

■ 103.7178,  
126.5056, 172.3027

■ 3.7315, 6.0176,  
11.7180

■ 132.0146,  
159.2317, 213.4407

■ 1.5514, 2.8558,  
6.4318

165.0399,  
197.1647, 260.6550

■ 0.3604, 1.0569,  
3.0364

203.1593,

■ 0.0000, 0.0000,

240.6890, 314.3640

1.1132

246.7380,  
290.1889, 374.9863

■ 0.0000, 0.0000,  
0.0000

■ 30.5099, 39.9823,  
60.1421

■ 30.5099, 39.9823,  
60.1421

■ 28.6396, 38.2710,  
59.9111

■ 32.8825, 41.9673,  
60.4009

■ 27.2214, 36.8049,  
59.7029

■ 35.7944, 44.2426,  
60.6866

■ 26.2013, 35.5569,  
59.5157

■ 39.2832, 46.8284,  
61.0019

■ 25.5486, 34.6029,  
59.3660

■ 43.3820, 49.7420,  
61.3482

■ 48.1216, 52.9992,  
61.7271

■ 53.5305, 56.6149,  
62.1399

■ 59.6356, 60.6028,  
62.5879

■ 66.4622, 64.9762,  
63.0723

■ 73.6255, 69.5368,  
63.5750

# Harmonies

## Analogous

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



29.2195, 39.9823, 44.8897



30.5099, 39.9823, 60.1421



33.7925, 39.9823, 72.7580

# Triad

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



30.5099, 39.9823, 60.1421



47.1690, 39.9823, 57.3049



37.5353, 39.9823, 21.4898

# Complementary

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



30.5099, 39.9823, 60.1421



28.7209, 20.3334, 9.4335

# 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.



42.5472, 39.9823, 23.4173



30.5099, 39.9823, 60.1421



48.3884, 39.9823, 42.2057

# Square

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



30.5099, 39.9823, 60.1421



43.4283, 39.9823, 70.8845



46.6299, 39.9823, 30.3049



33.0476, 39.9823, 24.3161



# Rectangle

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



30.5099, 39.9823, 60.1421



36.8156, 39.9823, 76.7947



46.6299, 39.9823, 30.3049



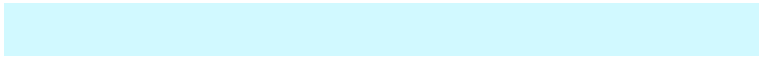
39.2136, 39.9823, 21.6044

# Sweetspot

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



30.5111, 39.9838, 60.1431



78.3589, 88.7621, 107.6106



25.3835, 43.1849, 16.9495



16.2724, 18.6516, 22.9924



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

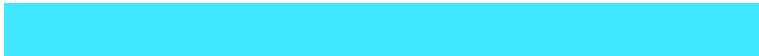


# Same Dimension

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



30.5111, 39.9838, 60.1431



49.1176, 65.9898, 104.7563



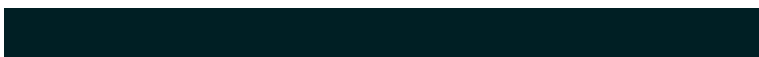
20.5491, 20.0597, 56.8224



10.8312, 11.8364, 13.6313



16.4716, 22.3372, 38.1877



0.8120, 1.1218, 1.8189



# Inverse Universe

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



34.8599, 20.9118, 47.5480



57.7430, 31.0065, 79.1370



36.1600, 35.2116, 11.9132



11.0248, 10.7933, 13.1139



20.1135, 9.7949, 26.8710

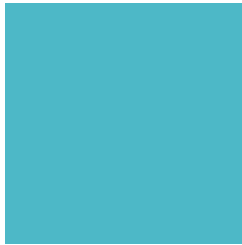


0.9686, 0.4703, 1.3576



# Previews

## White Background



This preview shows how the XYZ color 30.5099, 39.9823, 60.1421 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

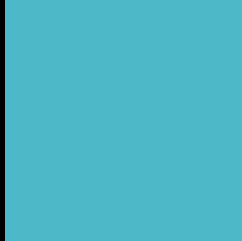
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.5099, 39.9823, 60.1421 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

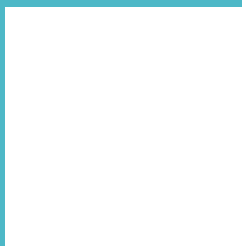
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 30.5099, 39.9823, 60.1421**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.5099, 39.9823, 60.1421.



This preview shows how white text looks on a background with the XYZ color 30.5099, 39.9823,



# 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

30.5099, 39.9823, 60.1421

### Protanopia

38.6217, 39.3753, 53.1416

### Deuteranopia

40.3831, 39.5469, 62.0048



## Tritanopia

30.5099, 39.9823, 60.1421

# Trichromacy



## Original Color

30.5099, 39.9823, 60.1421

## Protanomaly

34.2895, 38.7612, 55.5436

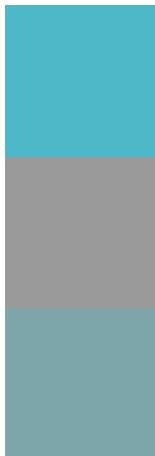
## Deuteranomaly

35.4049, 38.9202, 61.5234

## Tritanomaly

30.5099, 39.9823, 60.1421

# Monochromacy



## Original Color

30.5099, 39.9823, 60.1421

## Achromatopsia

30.7148, 32.3143, 35.1903

## Achromatomaly

29.3150, 34.2482, 43.0957

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.5099, 39.9823, 60.1421 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(77, 184, 199)` looks like.

```
.text, #text, p{  
    color:rgb(77, 184, 199)  
}
```

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(77, 184, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 184, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 30.5099, 39.9823, 60.1421 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(77, 184, 199) }
```



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

```
.border{ border-color:rgb(77, 184, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 184, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 184, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 184, 199);  
box-shadow:4px 4px 4px 4px rgb(77, 184,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.5099, 39.9823, 60.1421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 184, 199) }
```

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

```
.background{ background-color: rgb(77, 184,  
199) }
```

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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