

Converting Colors

XYZ(30.1821, 39.4555, 74.2928)

Have a look what the booklet for
XYZ(30.1821, 39.4555, 74.2928)
contains.

XYZ(30.2417, 39.5272, 74.4422)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.2417, 39.5272,
74.4422)**

Conversions

Conversions Part 1

Format	Color
Hex	04B8DD
RGB	4, 184, 221
RGB Percent	2%, 72%, 87%
CMY	0.9841, 0.2784, 0.1333
CMYK	0.98, 0.17, 0.00, 0.13
HSL	190°, 96%, 44%
HSV	190°, 98%, 87%
XYZ	30.2417, 39.5272, 74.4422
YIQ	134.3980, -119.1570, -26.6530

Conversions

Conversions Part 2

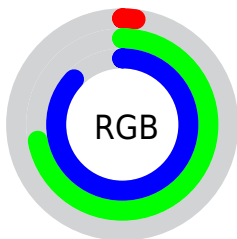
Format	Color
R _Y B	4, 102, 221
Decimal	309469
CIE Lab	69.13, -25.60, -29.41
CIE LCh	69, 38.994, 228.962
Yxy	39.5272, 0.2097, 0.2741
Android (android.graphics.Color)	4278499549 (0xFF04B8DD)
YUV	134.3980, 42.6948, -114.3590
Hunter-Lab	62.8707, -24.1626, -26.1930

Details

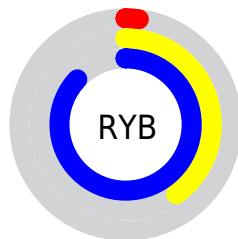
The XYZ color **30.2417, 39.5272, 74.4422** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **30.6363, 16.9710, 1.7775**, and the grayscale version is **22.6923, 23.8741, 25.9988**.

A 20% lighter version of the original color is **55.2735, 72.6660, 105.7205**, and **14.9992, 18.9858, 38.9505** is the 20% darker color. If you saturate the color by 10%, you get **30.0488, 39.2156, 74.3930**, and if you desaturate by 10%, it is **31.4157, 41.3110, 74.7254**.

Distribution



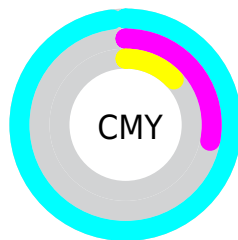
- Red (2%)
- Green (72%)
- Blue (87%)



- Red (2%)
- Yellow (40%)
- Blue (87%)



- Cyan (98%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)



- Cyan (98%)
- Magenta (28%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2417, 39.5272, 74.4422 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 30.2417, 39.5272, 74.4422 by changing the saturation by 10% instead.

30.2417, 39.5272,
74.4422

30.2417, 39.5272,
74.4422

294.9191,
344.1267, 495.2023

20.1711, 27.1701,
54.6571

59.4282, 74.4430,
127.2623

12.6285, 17.7010,
38.7305

79.2748, 97.7705,
161.1343

7.2484, 10.7355,
26.2439

103.1108,
125.5236, 200.5390

3.6657, 5.8893,
16.7788

131.3016,
158.0867, 245.8950

1.5148, 2.7779,
9.9166

164.2124,
195.8441, 297.6208

0.3359, 1.0169,
5.2388

202.2087,

0.0000, 0.0000,

239.1804, 356.1349

2.3269

245.6558,
288.4798, 421.8559

■ 0.0000, 0.0000,
0.7462

■ 0.0000, 0.0000,
0.0000

■ 30.2417, 39.5272,
74.4422

■ 30.2417, 39.5272,
74.4422

■ 30.0488, 39.2156,
74.3930

■ 31.4157, 41.3110,
74.7254

■ 33.0313, 43.3529,
75.0344

■ 35.1875, 45.7050,
75.3747

■ 37.9523, 48.4025,
75.7497

■ 41.3835, 51.4754,
76.1620

■ 45.5320, 54.9502,
76.6140

■ 50.4435, 58.8507,
77.1080

■ 56.1600, 63.1988,
77.6460

■ 62.7203, 68.0146,
78.2298

Harmonies

Analogous

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



27.3425, 39.5272, 55.1745



30.2417, 39.5272, 74.4422



35.3227, 39.5272, 86.2471

Triad

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



30.2417, 39.5272, 74.4422



50.5937, 39.5272, 49.9452



33.8103, 39.5272, 18.0663

Complementary

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



30.2417, 39.5272, 74.4422



30.6363, 16.9710, 1.7775

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.



39.9094, 39.5272, 17.3871



30.2417, 39.5272, 74.4422



50.0730, 39.5272, 32.8267

Square

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



30.2417, 39.5272, 74.4422



47.3470, 39.5272, 69.7157



45.9944, 39.5272, 22.0038



29.2401, 39.5272, 24.2174

Rectangle

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



30.2417, 39.5272, 74.4422



39.4664, 39.5272, 86.5904



45.9944, 39.5272, 22.0038



35.7343, 39.5272, 17.2695

Sweetspot

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



30.2430, 39.5286, 74.4432



68.9856, 80.7853, 106.5649



26.2942, 51.8943, 10.6575



14.1229, 16.7850, 22.7454



0.0000, 0.0000, 0.0000



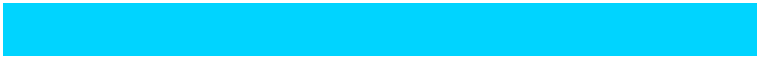
20.3446, 21.4041, 23.3091

Same Dimension

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



30.2430, 39.5286, 74.4432



41.4713, 54.0627, 102.8571



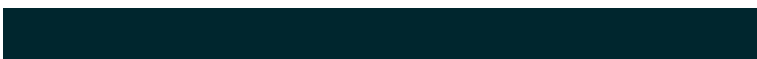
15.7122, 10.4670, 69.5996



13.2461, 14.4319, 16.7396



17.5287, 22.9269, 43.2399



1.1866, 1.5873, 2.8183

Inverse Universe

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



38.5151, 18.9212, 46.9708



53.0620, 25.9888, 64.1839



40.5393, 36.7771, 5.0786



13.5141, 13.2347, 15.9683



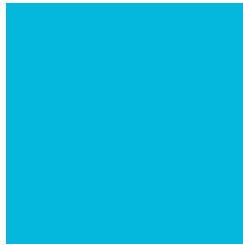
22.3430, 10.9382, 27.2501



1.4732, 0.7189, 1.9009

Previews

White Background



This preview shows how the XYZ color 30.2417, 39.5272, 74.4422 looks on a white background.

Color Contrast Check

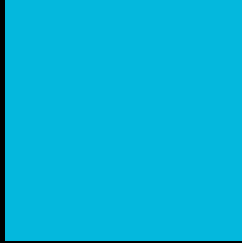
Large Text (above 18pt) WCAG AA × Fail

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 30.2417, 39.5272, 74.4422 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 30.2417, 39.5272, 74.4422

Background



This preview shows how black text looks on a background with the XYZ color 30.2417, 39.5272, 74.4422.

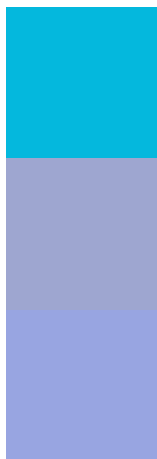


This preview shows how white text looks on a background with the XYZ color 30.2417, 39.5272,

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

30.2417, 39.5272, 74.4422

Protanopia

39.1219, 39.0956, 65.1588

Deuteranopia

39.9946, 39.0219, 76.6582



Tritanopia

28.1015, 39.3349, 61.3696

Trichromacy



Original Color

30.2417, 39.5272, 74.4422



Protanomaly

32.4333, 37.5160, 68.4827



Deuteranomaly

33.2441, 37.4835, 76.0039



Tritanomaly

28.7466, 39.2584, 65.7370

Monochromacy



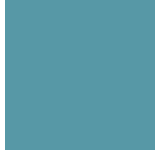
Original Color

30.2417, 39.5272, 74.4422



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

22.0417, 27.2359, 40.1717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2417, 39.5272, 74.4422 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(4, 184, 221)` looks like.

```
.text, #text, p{  
    color:rgb(4, 184, 221)  
}
```

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(4, 184, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 184, 221) }
```

Border

The CSS property to change the border of an element to XYZ 30.2417, 39.5272, 74.4422 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(4, 184, 221) }
```


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

```
.border{ border-color:rgb(4, 184, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 184, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 184, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 184, 221);  
box-shadow:4px 4px 4px 4px rgb(4, 184,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2417, 39.5272, 74.4422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 184, 221) }
```

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

```
.background{ background-color: rgb(4, 184,  
221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor