

Converting Colors

XYZ(22.0770, 35.8403, 65.2699)

Have a look what the booklet for
XYZ(22.0770, 35.8403, 65.2699)
contains.

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Color

**XYZ(28.7341, 39.2520,
65.7365)**

Conversions

Conversions Part 1

Format	Color
Hex	00B9D0
RGB	0, 185, 208
RGB Percent	0%, 73%, 82%
CMY	0.9998, 0.2745, 0.1843
CMYK	1.00, 0.11, 0.00, 0.18
HSL	187°, 100%, 41%
HSV	187°, 100%, 82%
XYZ	28.7341, 39.2520, 65.7365
YIQ	132.3070, -117.6430, -32.0670

Conversions

Conversions Part 2

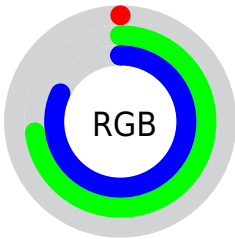
Format	Color
RYB	0, 98, 208
Decimal	47568
CIELab	68.93, -30.52, -22.60
CIELCh	69, 37.974, 216.521
Yxy	39.2520, 0.2149, 0.2935
Android (android.graphics.Color)	4278237648 (0xFF00B9D0)
YUV	132.3070, 37.3166, -116.0332
Hunter-Lab	62.6514, -27.7737, -18.3536

Details

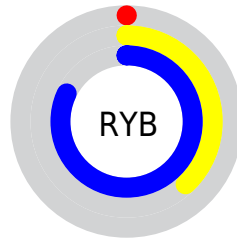
The XYZ color **28.7341, 39.2520, 65.7365** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **26.3203, 14.0247, 1.3211**, and the grayscale version is **21.9480, 23.0910, 25.1461**.

A 20% lighter version of the original color is **55.2142, 73.0736, 105.8023**, and **13.9490, 18.5657, 33.4202** is the 20% darker color. If you saturate the color by 10%, you get **28.7338, 39.2511, 65.7371**, and if you desaturate by 10%, it is **29.5259, 40.3812, 65.9135**.

Distribution



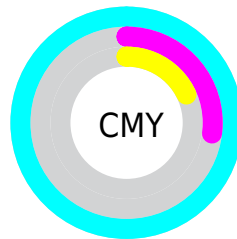
- Red (0%)
- Green (73%)
- Blue (82%)



- Red (0%)
- Yellow (38%)
- Blue (82%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (27%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7341, 39.2520, 65.7365 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 28.7341, 39.2520, 65.7365 by changing the saturation by 10% instead.

■ 28.7341, 39.2520,
65.7365

■ 28.7341, 39.2520,
65.7365

287.9752,
342.9607, 463.8124

■ 19.0230, 26.9558,
47.6034

■ 57.0548, 74.0231,
114.7315

■ 11.7910, 17.5400,
33.1552

■ 76.3952, 97.2669,
146.4304

■ 6.6727, 10.6203,
21.9732

■ 99.6761, 124.9286,
183.4883

■ 3.3028, 5.8121,
13.6391

■ 127.2628,
157.3927, 226.3239

■ 1.3158, 2.7312,
7.7342

■ 159.5207,
195.0436, 275.3555

■ 0.1950, 0.9931,
3.8400

196.8152,

■ 0.0000, 0.0000,

238.2656, 331.0017

1.5380

239.5116,
287.4432, 393.6812

■ 0.0000, 0.0000,
0.2460

■ 0.0000, 0.0000,
0.0000

■ 28.7341, 39.2520,
65.7365

■ 28.7341, 39.2520,
65.7365

■ 28.7338, 39.2511,
65.7371

■ 29.5259, 40.3812,
65.9135

■ 30.6533, 41.6942,
66.1075

■ 32.2284, 43.2496,
66.3247

■ 34.3114, 45.0787,
66.5680

■ 36.9533, 47.2076,
66.8396

■ 40.1986, 49.6594,
67.1419

■ 44.0875, 52.4549,
67.4765

■ 48.6564, 55.6129,
67.8452

■ 53.9394, 59.1509,
68.2497

Harmonies

Analogous

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



26.9213, 39.2520, 46.6271



28.7341, 39.2520, 65.7365



32.8710, 39.2520, 81.0634

Triad

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



28.7341, 39.2520, 65.7365



49.0014, 39.2520, 57.4012



36.0048, 39.2520, 17.4849

Complementary

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



28.7341, 39.2520, 65.7365



26.3203, 14.0247, 1.3211

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.



42.1270, 39.2520, 18.9211



28.7341, 39.2520, 65.7365



50.0718, 39.2520, 39.0728

Square

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



28.7341, 39.2520, 65.7365



44.6522, 39.2520, 75.4140



47.4371, 39.2520, 25.8483



30.8165, 39.2520, 21.2003

Rectangle

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



28.7341, 39.2520, 65.7365



36.6078, 39.2520, 85.2578



47.4371, 39.2520, 25.8483



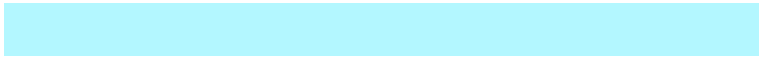
38.0168, 39.2520, 17.4003

Sweetspot

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



28.7354, 39.2534, 65.7375



69.6452, 82.9845, 106.9547



22.6906, 45.1662, 8.2237



14.3201, 17.3447, 22.8431



0.0000, 0.0000, 0.0000



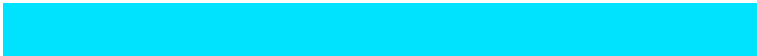
20.3446, 21.4041, 23.3091

Same Dimension

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



28.7354, 39.2534, 65.7375



45.4641, 62.0481, 104.1880



14.4965, 10.7757, 60.9912



12.0421, 13.1744, 15.1519



17.9524, 24.5513, 40.9852



1.0364, 1.4379, 2.3025

Inverse Universe

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



34.7705, 16.9139, 47.3325



55.0774, 26.7949, 74.7965



33.3236, 28.0314, 3.6555



12.2521, 11.9856, 14.6035



21.6923, 10.5497, 29.6153



1.2293, 0.5965, 1.7425

Previews

White Background



This preview shows how the XYZ color 28.7341, 39.2520, 65.7365 looks on a white background.

Color Contrast Check

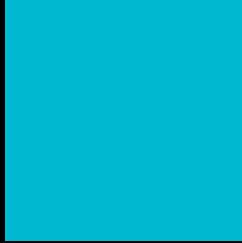
Large Text (above 18pt) WCAG AA × Fail

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 28.7341, 39.2520, 65.7365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

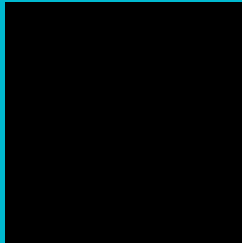
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.7341, 39.2520, 65.7365

Background



This preview shows how black text looks on a background with the XYZ color 28.7341, 39.2520, 65.7365.



This preview shows how white text looks on a background with the XYZ color 28.7341, 39.2520,

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

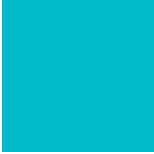
28.7341, 39.2520, 65.7365

Protanopia

38.3868, 38.8939, 57.1138

Deuteranopia

39.5838, 38.7259, 68.3394



Tritanopia

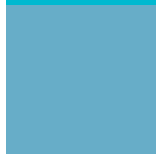
28.1015, 39.3349, 61.3696

Trichromacy



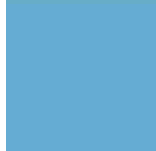
Original Color

28.7341, 39.2520, 65.7365



Protanomaly

30.9624, 36.9408, 60.1420



Deuteranomaly

31.8772, 36.9749, 67.0848



Tritanomaly

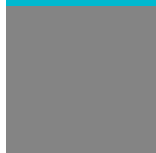
28.4580, 39.4774, 63.2468

Monochromacy



Original Color

28.7341, 39.2520, 65.7365



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

21.0679, 26.5561, 37.2731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7341, 39.2520, 65.7365 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(0, 185, 208)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 208)  
}
```

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(0, 185, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 208) }
```

Border

The CSS property to change the border of an element to XYZ 28.7341, 39.2520, 65.7365 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(0, 185, 208) }
```


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

```
.border{ border-color:rgb(0, 185, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 208);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7341, 39.2520, 65.7365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 208) }
```

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

```
.background{ background-color: rgb(0, 185,  
208) }
```

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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