

Converting Colors

XYZ(29.5155, 39.2313, 69.0848)

Have a look what the booklet for
XYZ(29.5155, 39.2313, 69.0848)
contains.

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Color

**XYZ(29.5274, 39.2793,
68.9762)**

Conversions

Conversions Part 1

Format	Color
Hex	18B8D5
RGB	24, 184, 213
RGB Percent	9%, 72%, 84%
CMY	0.9058, 0.2784, 0.1647
CMYK	0.89, 0.14, 0.00, 0.16
HSL	189°, 80%, 46%
HSV	189°, 89%, 84%
XYZ	29.5274, 39.2793, 68.9762
YIQ	139.4660, -104.6690, -24.9010

Conversions

Conversions Part 2

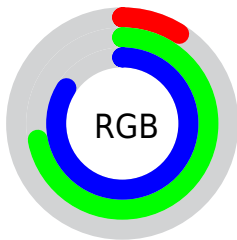
Format	Color
RYB	24, 111, 213
Decimal	1620181
CIELab	68.95, -27.54, -25.30
CIElCh	69, 37.397, 222.568
Yxy	39.2793, 0.2143, 0.2851
Android (android.graphics.Color)	4279810261 (0xFF18B8D5)
YUV	139.4660, 36.2523, -101.2637
Hunter-Lab	62.6732, -25.5809, -21.3815

Details

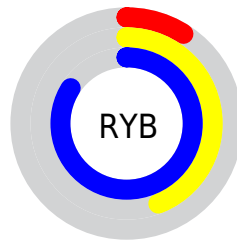
The XYZ color **29.5274, 39.2793, 68.9762** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **28.8802, 16.7607, 2.5785**, and the grayscale version is **24.6169, 25.8989, 28.2039**.

A 20% lighter version of the original color is **55.6405, 72.8552, 105.7376**, and **14.2879, 18.7012, 35.2044** is the 20% darker color. If you saturate the color by 10%, you get **28.5143, 37.7614, 68.7374**, and if you desaturate by 10%, it is **30.9348, 41.0252, 69.2398**.

Distribution



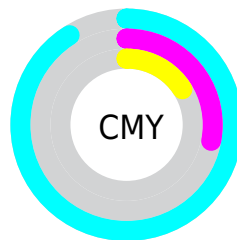
- Red (9%)
- Green (72%)
- Blue (84%)



- Red (9%)
- Yellow (44%)
- Blue (84%)



- Cyan (89%)
- Magenta (14%)
- Yellow (0%)
- Black (16%)



- Cyan (91%)
- Magenta (28%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5274, 39.2793, 68.9762 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 29.5274, 39.2793, 68.9762 by changing the saturation by 10% instead.

■ 29.5274, 39.2793,
68.9762

■ 29.5274, 39.2793,
68.9762

291.6448,
343.0765, 475.6387

■ 19.6264, 26.9771,
50.2207

■ 58.3058, 74.0648,
119.4150

■ 12.2305, 17.5560,
35.2164

■ 77.9139, 97.3169,
151.9353

■ 6.9742, 10.6317,
23.5447

■ 101.4884,
124.9877, 189.8810

■ 3.4921, 5.8198,
14.7872

■ 129.3947,
157.4616, 233.6706

■ 1.4190, 2.7358,
8.5252

■ 161.9981,
195.1230, 283.7226

■ 0.2697, 0.9954,
4.3402

199.6641,

■ 0.0000, 0.0000,

238.3564, 340.4556

1.8138

242.7578,
287.5461, 404.2881

■ 0.0000, 0.0000,
0.4370

■ 0.0000, 0.0000,
0.0000

■ 29.5274, 39.2793,
68.9762

■ 29.5274, 39.2793,
68.9762

■ 28.5143, 37.7614,
68.7374

■ 30.9348, 41.0252,
69.2398

■ 28.3955, 37.5744,
68.7075

■ 32.8300, 43.0453,
69.5298

■ 35.2769, 45.3734,
69.8502

■ 38.3284, 48.0370,
70.2035

■ 42.0314, 51.0602,
70.5919

■ 46.4277, 54.4650,
71.0174

■ 51.5560, 58.2713,
71.4817

■ 57.4517, 62.4975,
71.9868

■ 64.1481, 67.1610,
72.5340

Harmonies

Analogous

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



27.2454, 39.2793, 50.2999



29.5274, 39.2793, 68.9762



34.0109, 39.2793, 82.2541

Triad

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



29.5274, 39.2793, 68.9762



49.3447, 39.2793, 53.3520



34.8998, 39.2793, 18.1007

Complementary

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



29.5274, 39.2793, 68.9762



28.8802, 16.7607, 2.5785

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.



40.8664, 39.2793, 18.5094



29.5274, 39.2793, 68.9762



49.6480, 39.2793, 36.0290

Square

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



29.5274, 39.2793, 68.9762



45.6183, 39.2793, 71.7155



46.4074, 39.2793, 24.2154



30.1184, 39.2793, 22.8946

Rectangle

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



29.5274, 39.2793, 68.9762



37.8486, 39.2793, 84.5511



46.4074, 39.2793, 24.2154



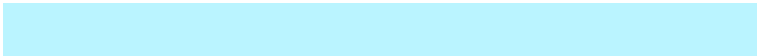
36.8237, 39.2793, 17.6801

Sweetspot

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



29.5287, 39.2807, 68.9772



70.8179, 82.6413, 106.8266



24.8000, 48.0349, 11.2574



14.6324, 17.2902, 22.8161



0.0000, 0.0000, 0.0000



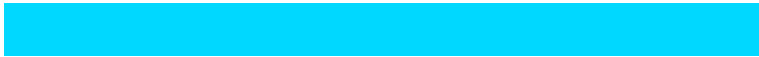
20.3446, 21.4041, 23.3091

Same Dimension

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



29.5287, 39.2807, 68.9772



42.5726, 56.2652, 103.2242



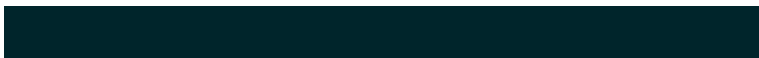
16.0579, 12.3391, 64.4869



12.6223, 13.7681, 15.9298



17.4058, 23.0734, 41.9894



1.0947, 1.4814, 2.5476

Inverse Universe

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



36.4200, 18.2614, 46.9541



53.6179, 26.2112, 67.1110



38.0179, 35.0361, 5.6244



12.8673, 12.5984, 15.2415



21.8445, 10.6741, 27.5489



1.3402, 0.6529, 1.7809

Previews

White Background



This preview shows how the XYZ color 29.5274, 39.2793, 68.9762 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 29.5274, 39.2793, 68.9762 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

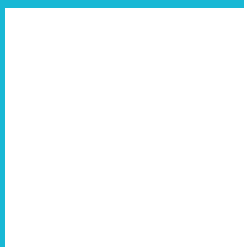
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5274, 39.2793, 68.9762

Background



This preview shows how black text looks on a background with the XYZ color 29.5274, 39.2793, 68.9762.

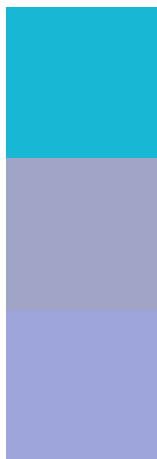


This preview shows how white text looks on a background with the XYZ color 29.5274, 39.2793,

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

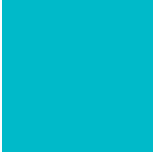
29.5274, 39.2793, 68.9762

Protanopia

38.3777, 38.5540, 60.0625

Deuteranopia

39.5101, 38.6286, 71.0193



Tritanopia

28.1015, 39.3349, 61.3696

Trichromacy



Original Color

29.5274, 39.2793, 68.9762



Protanomaly

32.3275, 37.2923, 63.2519



Deuteranomaly

33.1419, 37.2718, 70.4132



Tritanomaly

28.4811, 39.1638, 63.8159

Monochromacy



Original Color

29.5274, 39.2793, 68.9762



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

23.5340, 28.7373, 40.3829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5274, 39.2793, 68.9762 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(24, 184, 213)` looks like.

```
.text, #text, p{  
    color:rgb(24, 184, 213)  
}
```

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(24, 184, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 184, 213) }
```

Border

The CSS property to change the border of an element to XYZ 29.5274, 39.2793, 68.9762 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(24, 184, 213) }
```


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

```
.border{ border-color:rgb(24, 184, 213) }
```

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

Here you see how a box with a 4 pixel rgb(24, 184, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 184, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 184, 213);  
box-shadow:4px 4px 4px 4px rgb(24, 184,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5274, 39.2793, 68.9762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 184, 213) }
```

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

```
.background{ background-color: rgb(24, 184,  
213) }
```

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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