

Converting Colors

XYZ(20.8421, 34.7580, 71.1563)

Have a look what the booklet for
XYZ(20.8421, 34.7580, 71.1563)
contains.

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Color

**XYZ(29.6649, 39.2907,
71.6660)**

Conversions

Conversions Part 1

Format	Color
Hex	00B8D9
RGB	0, 184, 217
RGB Percent	0%, 72%, 85%
CMY	0.9998, 0.2784, 0.1490
CMYK	1.00, 0.15, 0.00, 0.15
HSL	189°, 100%, 43%
HSV	189°, 100%, 85%
XYZ	29.6649, 39.2907, 71.6660
YIQ	132.7460, -120.2570, -28.7450

Conversions

Conversions Part 2

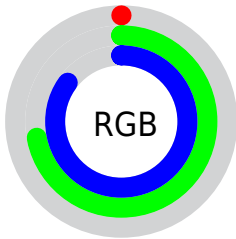
Format	Color
RYB	0, 100, 217
Decimal	47321
CIELab	68.96, -27.05, -27.49
CIELCh	69, 38.567, 225.457
Yxy	39.2907, 0.2110, 0.2794
Android (android.graphics.Color)	4278237401 (0xFF00B8D9)
YUV	132.7460, 41.5372, -116.4182
Hunter-Lab	62.6823, -25.2175, -23.9099

Details

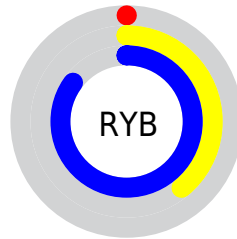
The XYZ color **29.6649, 39.2907, 71.6660** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **29.1613, 15.8429, 1.5227**, and the grayscale version is **22.0939, 23.2445, 25.3133**.

A 20% lighter version of the original color is **55.1539, 72.6043, 105.7149**, and **14.6379, 18.8412, 37.0476** is the 20% darker color. If you saturate the color by 10%, you get **29.6637, 39.2881, 71.6663**, and if you desaturate by 10%, it is **30.6848, 40.8470, 71.9134**.

Distribution



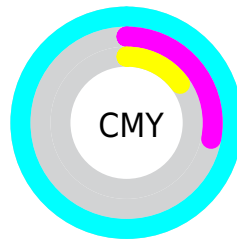
- Red (0%)
- Green (72%)
- Blue (85%)



- Red (0%)
- Yellow (39%)
- Blue (85%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (28%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6649, 39.2907, 71.6660 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 29.6649, 39.2907, 71.6660 by changing the saturation by 10% instead.

■ 29.6649, 39.2907,
71.6660

■ 29.6649, 39.2907,
71.6660

■ 292.2773,
343.1248, 485.3245

■ 19.7312, 26.9859,
52.4007

■ 58.5221, 74.0822,
123.2848

■ 12.3069, 17.5627,
36.9401

■ 78.1763, 97.3377,
156.4755

■ 7.0267, 10.6365,
24.8657

■ 101.8014,
125.0123, 195.1450

■ 3.5253, 5.8230,
15.7589

■ 129.7627,
157.4904, 239.7119

■ 1.4373, 2.7377,
9.2012

■ 162.4256,
195.1562, 290.5948

■ 0.2825, 0.9964,
4.7741

200.1554,

■ 0.0000, 0.0000,

238.3943, 348.2121

2.0589

243.3175,
287.5891, 412.9825

■ 0.0000, 0.0000,
0.5911

■ 0.0000, 0.0000,
0.0000

■ 29.6649, 39.2907,
71.6660

■ 29.6649, 39.2907,
71.6660

■ 29.6637, 39.2881,
71.6663

■ 30.6848, 40.8470,
71.9134

■ 32.0846, 42.6224,
72.1823

■ 33.9855, 44.6801,
72.4793

■ 36.4547, 47.0550,
72.8076

■ 39.5486, 49.7764,
73.1698

■ 43.3171, 52.8700,
73.5683

■ 47.8045, 56.3590,
74.0052

■ 53.0516, 60.2644,
74.4825

■ 59.0960, 64.6057,
75.0019

Harmonies

Analogous

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



27.0880, 39.2907, 52.4333



29.6649, 39.2907, 71.6660



34.4596, 39.2907, 84.5321

Triad

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



29.6649, 39.2907, 71.6660



49.9690, 39.2907, 51.8391



34.2875, 39.2907, 17.7782

Complementary

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



29.6649, 39.2907, 71.6660



29.1613, 15.8429, 1.5227

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.



40.3863, 39.2907, 17.7006



29.6649, 39.2907, 71.6660



49.9098, 39.2907, 34.3923

Square

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



29.6649, 39.2907, 71.6660



46.4008, 39.2907, 71.1295



46.2471, 39.2907, 22.9341



29.5508, 39.2907, 23.1867

Rectangle

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



29.6649, 39.2907, 71.6660



38.4780, 39.2907, 86.0042



46.2471, 39.2907, 22.9341



36.2338, 39.2907, 17.1895

Sweetspot

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



29.6662, 39.2921, 71.6670



68.6846, 81.0633, 106.6345



25.0828, 49.7342, 9.6872



14.0874, 16.8793, 22.7655



0.0000, 0.0000, 0.0000



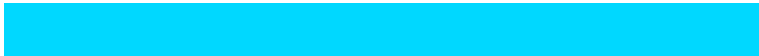
20.3446, 21.4041, 23.3091

Same Dimension

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



29.6662, 39.2921, 71.6670



42.6603, 56.4407, 103.2534



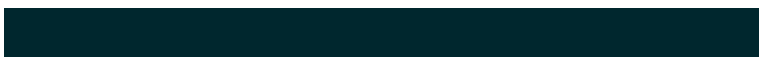
15.1088, 10.1774, 66.8145



13.2674, 14.4745, 16.7467



18.0191, 23.9077, 43.4033



1.2140, 1.6421, 2.8274

Inverse Universe

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



37.2682, 18.2139, 46.9000



53.6622, 26.2289, 67.3442



38.1512, 33.8227, 4.5193



13.5248, 13.2390, 16.0249



22.5906, 11.0373, 28.5536



1.4871, 0.7245, 1.9738

Previews

White Background



This preview shows how the XYZ color 29.6649, 39.2907, 71.6660 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 29.6649, 39.2907, 71.6660 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

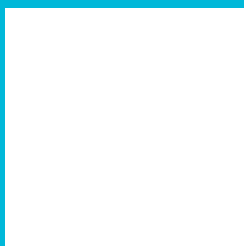
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6649, 39.2907, 71.6660

Background



This preview shows how black text looks on a background with the XYZ color 29.6649, 39.2907, 71.6660.



This preview shows how white text looks on a background with the XYZ color 29.6649, 39.2907,

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

29.6649, 39.2907, 71.6660

Protanopia

38.6359, 38.9012, 62.5991

Deuteranopia

39.8327, 39.0007, 73.8351



Tritanopia

28.1015, 39.3349, 61.3696

Trichromacy



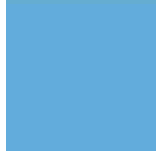
Original Color

29.6649, 39.2907, 71.6660



Protanomaly

31.8190, 37.2573, 65.8359



Deuteranomaly

32.7078, 37.2690, 73.1799



Tritanomaly

28.6114, 39.2029, 65.0904

Monochromacy



Original Color

29.6649, 39.2907, 71.6660



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

21.6754, 27.0681, 39.2042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6649, 39.2907, 71.6660 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, 184, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 217)  
}
```

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, 184, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 217) }
```

Border

The CSS property to change the border of an element to XYZ 29.6649, 39.2907, 71.6660 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, 184, 217) }
```


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

```
.border{ border-color:rgb(0, 184, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6649, 39.2907, 71.6660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 217) }
```

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

```
.background{ background-color: rgb(0, 184,  
217) }
```

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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