

Converting Colors

XYZ(36.0070, 51.7839, 69.7255)

Have a look what the booklet for
XYZ(36.0070, 51.7839, 69.7255)
contains.

XYZ(36.0070, 51.7839, 69.7255)	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(36.0070, 51.7839,
69.7255)**

Conversions

Conversions Part 1

Format	Color
Hex	2AD3D3
RGB	42, 211, 211
RGB Percent	16%, 83%, 83%
CMY	0.8352, 0.1725, 0.1725
CMYK	0.80, 0.00, 0.00, 0.17
HSL	180°, 67%, 50%
HSV	180°, 80%, 83%
XYZ	36.0070, 51.7839, 69.7255
YIQ	160.4690, -100.7240, -35.8280

Conversions

Conversions Part 2

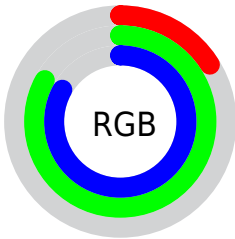
Format	Color
R _Y B	42, 127, 211
Decimal	2806739
CIE Lab	77.15, -39.73, -11.78
CIE LCh	77, 41.438, 196.519
Yxy	51.7839, 0.2286, 0.3288
Android (android.graphics.Color)	4280996819 (0xFF2AD3D3)
YUV	160.4690, 24.9118, -103.8973
Hunter-Lab	71.9610, -36.6161, -7.0754

Details

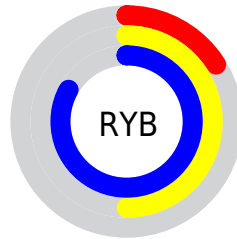
The XYZ color **36.0070, 51.7839, 69.7255** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **28.1116, 15.6737, 3.7358**, and the grayscale version is **33.5547, 35.3022, 38.4441**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **17.9743, 26.2113, 36.0102** is the 20% darker color. If you saturate the color by 10%, you get **35.3605, 51.4518, 69.6963**, and if you desaturate by 10%, it is **37.1104, 52.3539, 69.7784**.

Distribution



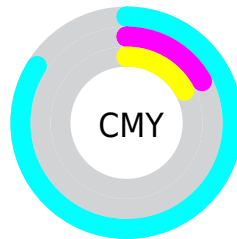
- Red (16%)
- Green (83%)
- Blue (83%)



- Red (16%)
- Yellow (50%)
- Blue (83%)



- Cyan (80%)
- Magenta (0%)
- Yellow (0%)
- Black (17%)



- Cyan (84%)
- Magenta (17%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0070, 51.7839, 69.7255 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 36.0070, 51.7839, 69.7255 by changing the saturation by 10% instead.

36.0070, 51.7839,
69.7255

36.0070, 51.7839,
69.7255

320.4218,
393.6018, 478.3487

24.6097, 36.8329,
50.8274

68.3667, 92.8125,
120.4947

15.9137, 25.0781,
35.6955

90.0598, 119.6588,
153.2028

9.5536, 16.1353,
23.9113

115.9156,
151.2389, 191.3513

5.1640, 9.6199,
15.0562

146.2994,
187.9374, 235.3587

2.3795, 5.1477,
8.7118

181.5765,
230.1385, 285.6436

0.8349, 2.3342,
4.4594

222.1124,

0.0000, 0.7917,

278.2267, 342.6246

1.8806

268.2724,
332.5863, 406.7201

■ 0.0000, 0.0000,
0.4804

■ 0.0000, 0.0000,
0.0000

■ 36.0070, 51.7839,
69.7255

■ 36.0070, 51.7839,
69.7255

■ 35.3605, 51.4518,
69.6963

■ 37.1104, 52.3539,
69.7784

■ 35.0530, 51.2932,
69.6818

■ 38.7287, 53.1881,
69.8543

■ 40.9162, 54.3158,
69.9568

■ 43.7190, 55.7607,
70.0881

■ 47.1789, 57.5443,
70.2502

■ 51.3336, 59.6861,
70.4447

■ 56.2181, 62.2042,
70.6735

■ 61.8653, 65.1154,
70.9379

■ 68.3057, 68.4356,
71.2394

Harmonies

Analogous

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



35.8375, 51.7839, 46.8092



36.0070, 51.7839, 69.7255



39.4600, 51.7839, 94.3498

Triad

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



36.0070, 51.7839, 69.7255



61.1251, 51.7839, 92.0628



52.8578, 51.7839, 23.7012

Complementary

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



36.0070, 51.7839, 69.7255



28.1116, 15.6737, 3.7358

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.



60.4675, 51.7839, 30.2750



36.0070, 51.7839, 69.7255



65.5751, 51.7839, 67.1825

Square

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



36.0070, 51.7839, 69.7255



53.6803, 51.7839, 109.4292



65.3223, 51.7839, 44.8629



45.0121, 51.7839, 24.0388

Rectangle

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



36.0070, 51.7839, 69.7255



43.3934, 51.7839, 106.6329



65.3223, 51.7839, 44.8629



55.5441, 51.7839, 25.0803

Sweetspot

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



36.0086, 51.7858, 69.7267



76.0067, 90.1828, 108.0083



24.7881, 47.3114, 10.0176



15.7852, 19.0537, 23.0956



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.



36.0086, 51.7858, 69.7267



53.9373, 78.8057, 106.9740



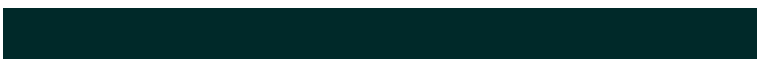
20.6070, 20.9824, 64.5939



12.1584, 13.4071, 15.1906



21.1538, 30.9545, 42.0516



1.1828, 1.7308, 2.3513

Inverse Universe

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



28.1116, 15.6737, 3.7358



41.4066, 21.5038, 2.2612



34.4523, 28.3551, 5.8493



11.8088, 11.8083, 12.2689



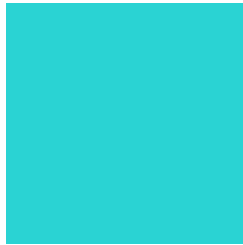
16.2124, 8.3578, 0.7588



0.9065, 0.4673, 0.0424

Previews

White Background



This preview shows how the XYZ color 36.0070, 51.7839, 69.7255 looks on a white background.

Color Contrast Check

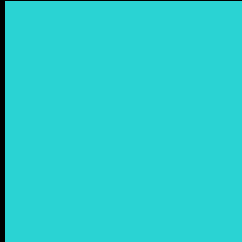
Large Text (above 18pt) WCAG AA × Fail

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 36.0070, 51.7839, 69.7255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

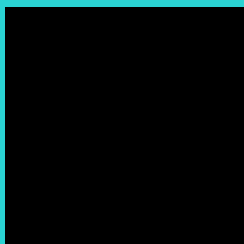
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

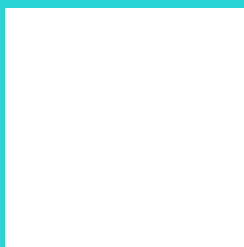
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.0070, 51.7839, 69.7255

Background



This preview shows how black text looks on a background with the XYZ color 36.0070, 51.7839, 69.7255.

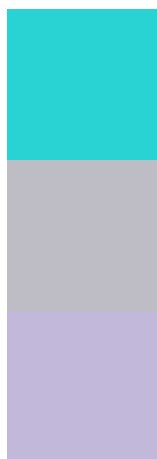


This preview shows how white text looks on a background with the XYZ color 36.0070, 51.7839,

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

36.0070, 51.7839, 69.7255

Protanopia

49.2965, 50.9448, 60.0585

Deuteranopia

51.9130, 50.7601, 72.7072



Tritanopia

38.1035, 51.9041, 79.9617

Trichromacy



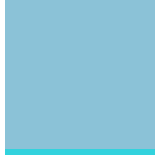
Original Color

36.0070, 51.7839, 69.7255



Protanomaly

40.5539, 48.9784, 63.1935



Deuteranomaly

42.2050, 48.9788, 71.5194



Tritanomaly

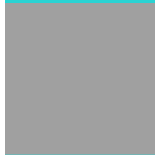
37.4131, 51.9918, 76.4701

Monochromacy



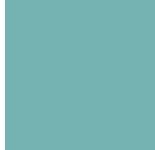
Original Color

36.0070, 51.7839, 69.7255



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.5929, 39.2768, 48.5639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0070, 51.7839, 69.7255 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(42, 211, 211)` looks like.

```
.text, #text, p{  
    color:rgb(42, 211, 211)  
}
```

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(42, 211, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 211, 211) }
```

Border

The CSS property to change the border of an element to XYZ 36.0070, 51.7839, 69.7255 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(42, 211, 211) }
```


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

```
.border{ border-color:rgb(42, 211, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 211, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 211, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 211, 211);  
box-shadow:4px 4px 4px 4px rgb(42, 211,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0070, 51.7839, 69.7255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 211, 211) }
```

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

```
.background{ background-color: rgb(42, 211,  
211) }
```

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