

Converting Colors

XYZ(30.7947, 43.0626, 67.3805)

Have a look what the booklet for
XYZ(30.7947, 43.0626, 67.3805)
contains.

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Color

**XYZ(30.9246, 43.2367,
67.6884)**

Conversions

Conversions Part 1

Format	Color
Hex	00C2D2
RGB	0, 194, 210
RGB Percent	0%, 76%, 82%
CMY	0.9998, 0.2392, 0.1765
CMYK	1.00, 0.08, 0.00, 0.18
HSL	185°, 100%, 41%
HSV	185°, 100%, 82%
XYZ	30.9246, 43.2367, 67.6884
YIQ	137.8180, -120.7600, -36.1520

Conversions

Conversions Part 2

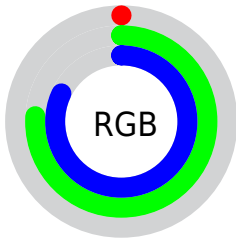
Format	Color
RYB	0, 101, 210
Decimal	49874
CIELab	71.72, -34.19, -19.46
CIELCh	72, 39.339, 209.647
Yxy	43.2367, 0.2180, 0.3048
Android (android.graphics.Color)	4278239954 (0xFF00C2D2)
YUV	137.8180, 35.5857, -120.8664
Hunter-Lab	65.7546, -31.1215, -15.0054

Details

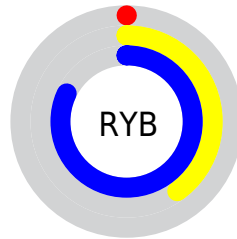
The XYZ color **30.9246, 43.2367, 67.6884** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **26.7649, 14.0738, 1.3071**, and the grayscale version is **23.9955, 25.2451, 27.4919**.

A 20% lighter version of the original color is **58.4910, 79.2785, 106.8272**, and **15.3788, 21.1565, 34.7255** is the 20% darker color. If you saturate the color by 10%, you get **30.9246, 43.2365, 67.6892**, and if you desaturate by 10%, it is **31.5937, 44.1141, 67.8233**.

Distribution



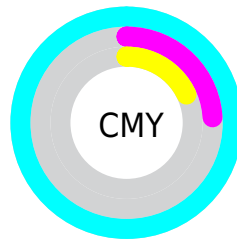
- Red (0%)
- Green (76%)
- Blue (82%)



- Red (0%)
- Yellow (40%)
- Blue (82%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9246, 43.2367, 67.6884 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 30.9246, 43.2367, 67.6884 by changing the saturation by 10% instead.

30.9246, 43.2367,
67.6884

30.9246, 43.2367,
67.6884

298.0239,
359.5843, 470.9593

20.6930, 30.0709,
49.1792

60.4980, 80.0679,
117.5563

13.0109, 19.8924,
34.3950

80.5705, 104.5021,
149.7520

7.5131, 12.3168,
22.9174

104.6540,
133.4612, 187.3469

3.8342, 6.9598,
14.3278

133.1138,
167.3296, 230.7597

1.6088, 3.4370,
8.2077

166.3154,
206.4918, 280.4087

0.3981, 1.3639,
4.1384

204.6240,

0.0000, 0.1899,

251.3320, 336.7127

1.7016

248.4051,
302.2347, 400.0900

■ 0.0000, 0.0000,
0.3618

■ 0.0000, 0.0000,
0.0000

■ 30.9246, 43.2367,
67.6884

■ 30.9246, 43.2367,
67.6884

■ 30.9246, 43.2365,
67.6892

■ 31.5937, 44.1141,
67.8233

■ 32.6021, 45.1712,
67.9742

■ 34.0640, 46.4679,
68.1474

■ 36.0411, 48.0358,
68.3459

■ 38.5855, 49.9020,
68.5720

■ 41.7428, 52.0900,
68.8279

■ 45.5541, 54.6209,
69.1155

■ 50.0567, 57.5140,
69.4366

■ 55.2854, 60.7872,
69.7929

Harmonies

Analogous

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



29.5562, 43.2367, 46.8516



30.9246, 43.2367, 67.6884



34.9480, 43.2367, 86.4275

Triad

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



30.9246, 43.2367, 67.6884



53.1881, 43.2367, 68.1886



41.1742, 43.2367, 19.0680

Complementary

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



30.9246, 43.2367, 67.6884



26.7649, 14.0738, 1.3071

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.



47.9240, 43.2367, 21.9592



30.9246, 43.2367, 67.6884



55.3035, 43.2367, 47.3039

Square

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



30.9246, 43.2367, 67.6884



47.7727, 43.2367, 86.7671



53.2820, 43.2367, 31.1429



35.0709, 43.2367, 21.8234

Rectangle

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



30.9246, 43.2367, 67.6884



38.8328, 43.2367, 93.2529



53.2820, 43.2367, 31.1429



43.4438, 43.2367, 19.3969

Sweetspot

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



30.9260, 43.2383, 67.6895



70.4535, 84.6012, 107.2241



23.1270, 46.1259, 8.1012



14.5164, 17.7372, 22.9085



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.



30.9260, 43.2383, 67.6895



47.9215, 66.9631, 105.0072



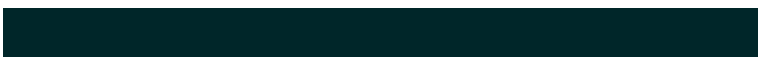
15.3769, 12.1401, 62.5064



12.0781, 13.2464, 15.1639



18.8965, 26.4397, 41.2999



1.0800, 1.5253, 2.3170

Inverse Universe

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



36.3171, 17.5980, 52.5231



56.3178, 27.2911, 81.3285



33.1782, 26.9004, 3.4449



12.2703, 11.9929, 14.6992



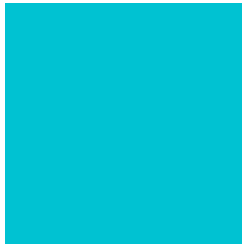
22.1688, 10.7404, 32.1248



1.2514, 0.6053, 1.8586

Previews

White Background



This preview shows how the XYZ color 30.9246, 43.2367, 67.6884 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 30.9246, 43.2367, 67.6884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

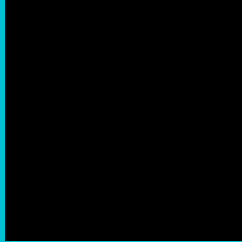
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

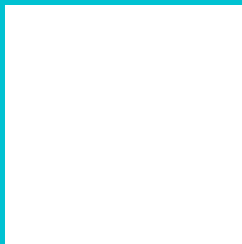
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9246, 43.2367, 67.6884

Background



This preview shows how black text looks on a background with the XYZ color 30.9246, 43.2367, 67.6884.

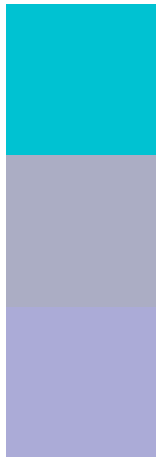


This preview shows how white text looks on a background with the XYZ color 30.9246, 43.2367,

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

30.9246, 43.2367, 67.6884

Protanopia

41.7020, 42.5306, 58.2358

Deuteranopia

43.6232, 42.6900, 70.2308



Tritanopia

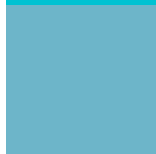
30.9246, 43.2367, 67.6884

Trichromacy



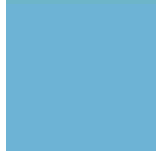
Original Color

30.9246, 43.2367, 67.6884



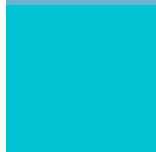
Protanomaly

33.3732, 40.5160, 61.3198



Deuteranomaly

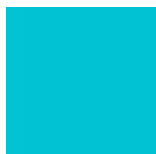
34.4370, 40.2955, 68.9136



Tritanomaly

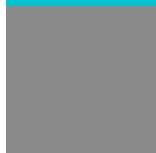
30.9246, 43.2367, 67.6884

Monochromacy



Original Color

30.9246, 43.2367, 67.6884



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.9522, 29.2088, 39.5501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9246, 43.2367, 67.6884 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, 194, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 210)  
}
```

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, 194, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 210) }
```

Border

The CSS property to change the border of an element to XYZ 30.9246, 43.2367, 67.6884 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, 194, 210) }
```


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

```
.border{ border-color:rgb(0, 194, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9246, 43.2367, 67.6884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 210) }
```

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

```
.background{ background-color: rgb(0, 194,  
210) }
```

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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