

# Converting Colors

XYZ(30.9997, 43.2754, 67.6919)

Have a look what the booklet for  
XYZ(30.9997, 43.2754, 67.6919)  
contains.

<b>XYZ(30.9997, 43.2754, 67.6919)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(30.9997, 43.2754,  
67.6919)**

# Conversions

## Conversions Part 1

Format	Color
Hex	06C2D2
RGB	6, 194, 210
RGB Percent	2%, 76%, 82%
CMY	0.9763, 0.2392, 0.1765
CMYK	0.97, 0.08, 0.00, 0.18
HSL	185°, 94%, 42%
HSV	185°, 97%, 82%
XYZ	30.9997, 43.2754, 67.6919
YIQ	139.6120, -117.1840, -34.8800

# Conversions

## Conversions Part 2

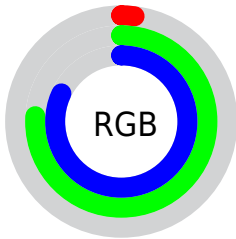
<b>Format</b>	<b>Color</b>
<b>RYB</b>	6, 104, 210
Decimal	443090
CIELab	71.74, -34.02, -19.42
CIELCh	72, 39.174, 209.713
Yxy	43.2754, 0.2184, 0.3048
Android (android.graphics.Color)	4278633170 (0xFF06C2D2)
YUV	139.6120, 34.7013, -117.1777
Hunter-Lab	65.7840, -31.0067, -14.9607

# Details

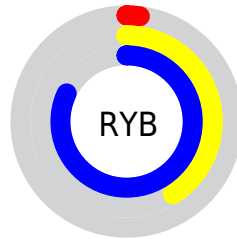
The XYZ color **30.9997, 43.2754, 67.6919** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **26.8996, 14.2906, 1.5142**, and the grayscale version is **24.6850, 25.9706, 28.2819**.

A 20% lighter version of the original color is **58.6106, 79.3402, 106.8328**, and **15.3788, 21.1565, 34.7255** is the 20% darker color. If you saturate the color by 10%, you get **30.8200, 43.0272, 67.6543**, and if you desaturate by 10%, it is **31.7473, 44.2090, 67.8335**.

# Distribution



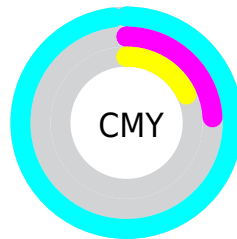
- Red (2%)
- Green (76%)
- Blue (82%)



- Red (2%)
- Yellow (41%)
- Blue (82%)



- Cyan (97%)
- Magenta (8%)
- Yellow (0%)
- Black (18%)



- Cyan (98%)
- Magenta (24%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9997, 43.2754, 67.6919 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 30.9997, 43.2754, 67.6919 by changing the saturation by 10% instead.



30.9997, 43.2754,  
67.6919

30.9997, 43.2754,  
67.6919

298.3638,  
359.7431, 470.9720

20.7504, 30.1013,  
49.1820

60.6154, 80.1263,  
117.5613

13.0531, 19.9155,  
34.3973

80.7126, 104.5718,  
149.7579

7.5424, 12.3336,  
22.9191

104.8232,  
133.5433, 187.3538

3.8529, 6.9713,  
14.3291

133.3125,  
167.4250, 230.7676

1.6192, 3.4442,  
8.2085

166.5458,  
206.6015, 280.4178

0.4049, 1.3678,  
4.1390

204.8886,

0.0000, 0.1928,

251.4571, 336.7229

1.7019

248.7061,  
302.3762, 400.1014

■ 0.0000, 0.0000,  
0.3620

■ 0.0000, 0.0000,  
0.0000

■ 30.9997, 43.2754,  
67.6919

■ 30.9997, 43.2754,  
67.6919

■ 30.8200, 43.0272,  
67.6543

■ 31.7473, 44.2090,  
67.8335

■ 32.8879, 45.3503,  
67.9937

■ 34.5012, 46.7414,  
68.1772

■ 36.6456, 48.4124,  
68.3867

■ 39.3711, 50.3891,  
68.6246

■ 42.7219, 52.6942,  
68.8929

■ 46.7379, 55.3484,  
69.1936

■ 51.4557, 58.3706,  
69.5282

■ 56.9091, 61.7782,  
69.8985

# Harmonies

## Analogous

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



29.6288, 43.2754, 46.9366



30.9997, 43.2754, 67.6919



35.0168, 43.2754, 86.3238

# Triad

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



30.9997, 43.2754, 67.6919



53.1856, 43.2754, 68.0966



41.1960, 43.2754, 19.1753

# Complementary

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



30.9997, 43.2754, 67.6919



26.8996, 14.2906, 1.5142

# 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.



47.9207, 43.2754, 22.0516



30.9997, 43.2754, 67.6919



55.2830, 43.2754, 47.3029

# Square

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



30.9997, 43.2754, 67.6919



47.7981, 43.2754, 86.5983



53.2616, 43.2754, 31.2049



35.1163, 43.2754, 21.9414



# Rectangle

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



30.9997, 43.2754, 67.6919



38.8915, 43.2754, 93.0929



53.2616, 43.2754, 31.2049



43.4569, 43.2754, 19.5000

# Sweetspot

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



31.0011, 43.2770, 67.6930



71.0551, 84.9244, 107.2548



23.2457, 46.1821, 8.3341



14.6273, 17.7939, 22.9136



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.



31.0011, 43.2770, 67.6930



47.7576, 66.6352, 104.9525



15.7494, 12.7737, 62.6091



12.0757, 13.2417, 15.1631



18.8336, 26.3138, 41.2789



1.0771, 1.5195, 2.3161



# Inverse Universe

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



36.3822, 17.7282, 52.5448



56.2350, 27.2580, 80.8927



33.5248, 27.5411, 3.7226



12.2691, 11.9924, 14.6930



22.1371, 10.7277, 31.9575

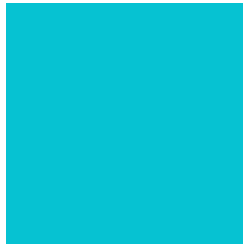


1.2499, 0.6047, 1.8509



# Previews

## White Background



This preview shows how the XYZ color 30.9997, 43.2754, 67.6919 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 30.9997, 43.2754, 67.6919 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

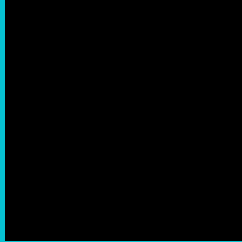
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

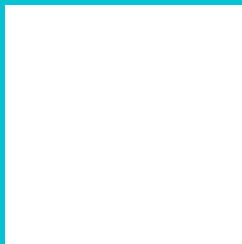
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 30.9997, 43.2754, 67.6919**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.9997, 43.2754, 67.6919.



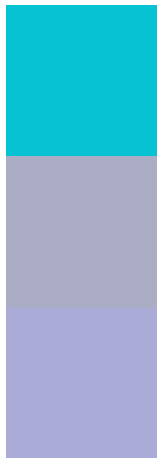
This preview shows how white text looks on a background with the XYZ color 30.9997, 43.2754,



# 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

30.9997, 43.2754, 67.6919

### Protanopia

41.7020, 42.5306, 58.2358

### Deuteranopia

43.6232, 42.6900, 70.2308



## Tritanopia

30.9747, 43.2625, 67.6907

# Trichromacy



## Original Color

30.9997, 43.2754, 67.6919



## Protanomaly

33.6220, 40.6443, 61.3314



## Deuteranomaly

34.6859, 40.4238, 68.9252



## Tritanomaly

30.9872, 43.2690, 67.6913

# Monochromacy



## Original Color

30.9997, 43.2754, 67.6919



## Achromatopsia

24.9269, 26.2251, 28.5591



## Achromatomaly

23.6767, 30.0824, 40.1559

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.9997, 43.2754, 67.6919 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(6, 194, 210)` looks like.

```
.text, #text, p{  
    color:rgb(6, 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(6, 194, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 194, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 30.9997, 43.2754, 67.6919 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(6, 194, 210) }
```



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

```
.border{ border-color:rgb(6, 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(6, 194, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 194, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 194, 210);  
box-shadow:4px 4px 4px 4px rgb(6, 194,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.9997, 43.2754, 67.6919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 194, 210) }
```

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

```
.background{ background-color: rgb(6, 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](#).

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