

Converting Colors

XYZ(30.7210, 41.9809, 70.2363)

Have a look what the booklet for
XYZ(30.7210, 41.9809, 70.2363)
contains.

XYZ(30.7684, 42.1166, 70.1260)	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(30.7684, 42.1166,
70.1260)**

Conversions

Conversions Part 1

Format	Color
Hex	00BFD6
RGB	0, 191, 214
RGB Percent	0%, 75%, 84%
CMY	0.9998, 0.2510, 0.1608
CMYK	1.00, 0.11, 0.00, 0.16
HSL	186°, 100%, 42%
HSV	186°, 100%, 84%
XYZ	30.7684, 42.1166, 70.1260
YIQ	136.5130, -121.2190, -33.3390

Conversions

Conversions Part 2

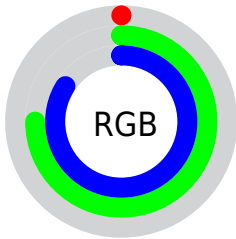
Format	Color
RYB	0, 101, 214
Decimal	49110
CIELab	70.95, -31.48, -22.80
CIELCh	71, 38.867, 215.921
Yxy	42.1166, 0.2151, 0.2945
Android (android.graphics.Color)	4278239190 (0xFF00BFD6)
YUV	136.5130, 38.2011, -119.7219
Hunter-Lab	64.8973, -28.9418, -18.6388

Details

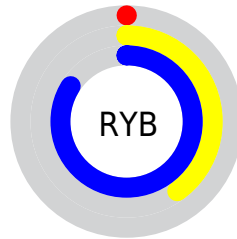
The XYZ color **30.7684, 42.1166, 70.1260** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **28.0396, 14.9113, 1.4018**, and the grayscale version is **23.4942, 24.7177, 26.9176**.

A 20% lighter version of the original color is **57.5613, 77.4190, 106.5173**, and **15.2037, 20.3945, 35.9361** is the 20% darker color. If you saturate the color by 10%, you get **30.7678, 42.1153, 70.1266**, and if you desaturate by 10%, it is **31.5937, 43.2935, 70.3105**.

Distribution



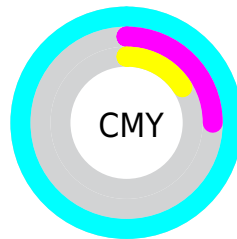
- Red (0%)
- Green (75%)
- Blue (84%)



- Red (0%)
- Yellow (40%)
- Blue (84%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (25%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7684, 42.1166, 70.1260 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 30.7684, 42.1166, 70.1260 by changing the saturation by 10% instead.

30.7684, 42.1166,
70.1260

30.7684, 42.1166,
70.1260

297.3159,
354.9661, 479.7934

20.5735, 29.1926,
51.1518

60.2536, 78.3761,
121.0712

12.9233, 19.2266,
35.9519

80.2746, 102.4803,
153.8793

7.4524, 11.8341,
24.1076

104.3017,
131.0801, 192.1359

3.7954, 6.6308,
15.2005

132.7002,
164.5599, 236.2593

1.5871, 3.2323,
8.8121

165.8356,
203.3039, 286.6683

0.3840, 1.2542,
4.5237

204.0730,

0.0000, 0.1053,

247.6967, 343.7812

1.9168

247.7780,
298.1226, 408.0167

■ 0.0000, 0.0000,
0.5034

■ 0.0000, 0.0000,
0.0000

■ 30.7684, 42.1166,
70.1260

■ 30.7684, 42.1166,
70.1260

■ 30.7678, 42.1153,
70.1266

■ 31.5937, 43.2935,
70.3105

■ 32.7785, 44.6667,
70.5131

■ 34.4407, 46.2978,
70.7403

■ 36.6453, 48.2204,
70.9952

■ 39.4468, 50.4625,
71.2803

■ 42.8930, 53.0491,
71.5980

■ 47.0270, 56.0021,
71.9501

■ 51.8880, 59.3421,
72.3385

■ 57.5122, 63.0875,
72.7651

Harmonies

Analogous

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



28.8770, 42.1166, 49.6361



30.7684, 42.1166, 70.1260



35.1614, 42.1166, 86.7364

Triad

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



30.7684, 42.1166, 70.1260



52.5111, 42.1166, 62.0034



38.7596, 42.1166, 18.7434

Complementary

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



30.7684, 42.1166, 70.1260



28.0396, 14.9113, 1.4018

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.



45.3297, 42.1166, 20.3942



30.7684, 42.1166, 70.1260



53.7396, 42.1166, 42.2763

Square

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



30.7684, 42.1166, 70.1260



47.7902, 42.1166, 81.2304



50.9867, 42.1166, 27.9546



33.1599, 42.1166, 22.6137

Rectangle

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



30.7684, 42.1166, 70.1260



39.1511, 42.1166, 91.4271



50.9867, 42.1166, 27.9546



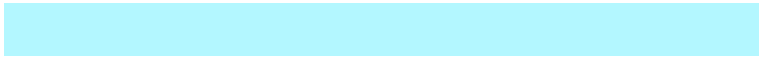
40.9231, 42.1166, 18.6885

Sweetspot

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



30.7698, 42.1181, 70.1270



69.7175, 83.1291, 106.9788



24.1871, 48.1499, 8.7505



14.3377, 17.3798, 22.8489



0.0000, 0.0000, 0.0000



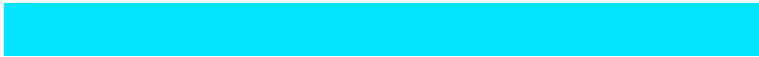
20.3446, 21.4041, 23.3091

Same Dimension

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



30.7698, 42.1181, 70.1270



45.6803, 62.4805, 104.2601



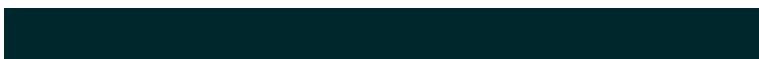
15.4369, 11.4525, 65.0161



12.6729, 13.8691, 15.9466



18.6434, 25.5485, 42.4019



1.1579, 1.6078, 2.5686

Inverse Universe

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



37.1367, 18.0592, 50.8201



55.1865, 26.8386, 75.3711



35.5065, 29.8451, 3.8908



12.8928, 12.6086, 15.3759



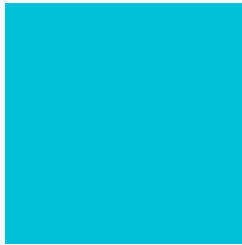
22.4692, 10.9240, 30.8384



1.3721, 0.6656, 1.9488

Previews

White Background



This preview shows how the XYZ color 30.7684, 42.1166, 70.1260 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 30.7684, 42.1166, 70.1260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

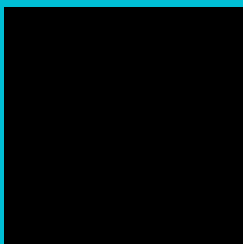
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

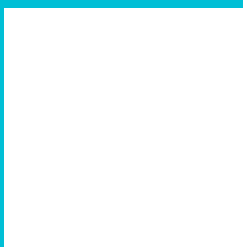
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7684, 42.1166, 70.1260

Background



This preview shows how black text looks on a background with the XYZ color 30.7684, 42.1166, 70.1260.



This preview shows how white text looks on a background with the XYZ color 30.7684, 42.1166,

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

30.7684, 42.1166, 70.1260

Protanopia

40.9246, 41.5114, 60.4991

Deuteranopia

42.4912, 41.4897, 72.7866



Tritanopia

30.1121, 42.2043, 65.5906

Trichromacy



Original Color

30.7684, 42.1166, 70.1260



Protanomaly

32.8837, 39.3127, 63.6126



Deuteranomaly

34.0722, 39.4573, 71.4659



Tritanomaly

30.4825, 42.3524, 67.5410

Monochromacy



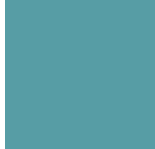
Original Color

30.7684, 42.1166, 70.1260



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.7790, 28.8568, 39.9666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7684, 42.1166, 70.1260 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, 191, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 214)  
}
```

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, 191, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 214) }
```

Border

The CSS property to change the border of an element to XYZ 30.7684, 42.1166, 70.1260 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, 191, 214) }
```


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

```
.border{ border-color:rgb(0, 191, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7684, 42.1166, 70.1260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 214) }
```

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

```
.background{ background-color: rgb(0, 191,  
214) }
```

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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