

Converting Colors

XYZ(18.7721, 36.0991, 67.2271)

Have a look what the booklet for
XYZ(18.7721, 36.0991, 67.2271)
contains.

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Color

**XYZ(30.2637, 41.9147,
67.4681)**

Conversions

Conversions Part 1

Format	Color
Hex	00BFD2
RGB	0, 191, 210
RGB Percent	0%, 75%, 82%
CMY	0.9998, 0.2510, 0.1765
CMYK	1.00, 0.09, 0.00, 0.18
HSL	185°, 100%, 41%
HSV	185°, 100%, 82%
XYZ	30.2637, 41.9147, 67.4681
YIQ	136.0570, -119.9350, -34.5830

Conversions

Conversions Part 2

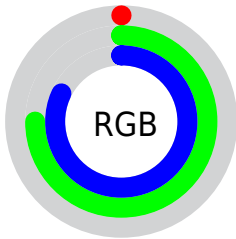
Format	Color
RYB	0, 100, 210
Decimal	49106
CIELab	70.81, -32.76, -20.83
CIELCh	71, 38.825, 212.449
Yxy	41.9147, 0.2167, 0.3001
Android (android.graphics.Color)	4278239186 (0xFF00BFD2)
YUV	136.0570, 36.4539, -119.3220
Hunter-Lab	64.7416, -29.8572, -16.4679

Details

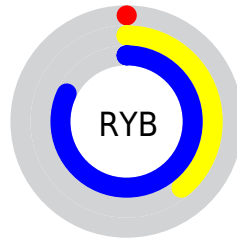
The XYZ color **30.2637, 41.9147, 67.4681** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **26.8128, 14.1695, 1.3234**, and the grayscale version is **23.3297, 24.5446, 26.7291**.

A 20% lighter version of the original color is **57.4431, 77.3581, 106.5118**, and **14.9464, 20.2916, 34.5814** is the 20% darker color. If you saturate the color by 10%, you get **30.2633, 41.9137, 67.4687**, and if you desaturate by 10%, it is **30.9919, 42.9102, 67.6227**.

Distribution



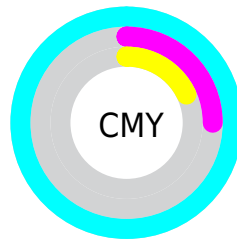
- Red (0%)
- Green (75%)
- Blue (82%)



- Red (0%)
- Yellow (39%)
- Blue (82%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (25%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2637, 41.9147, 67.4681 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 30.2637, 41.9147, 67.4681 by changing the saturation by 10% instead.

■ 30.2637, 41.9147,
67.4681

■ 30.2637, 41.9147,
67.4681

295.0195,
354.1292, 470.1559

■ 20.1879, 29.0345,
49.0012

■ 59.4627, 78.0705,
117.2379

■ 12.6408, 19.1069,
34.2548

■ 79.3167, 102.1149,
149.3778

■ 7.2569, 11.7476,
22.8105

■ 103.1607,
130.6495, 186.9125

■ 3.6711, 6.5720,
14.2496

■ 131.3601,
164.0587, 230.2605

■ 1.5178, 3.1959,
8.1538

■ 164.2804,
202.7269, 279.8403

■ 0.3379, 1.2349,
4.1043

202.2868,

■ 0.0000, 0.0899,

247.0384, 336.0704

1.6827

245.7447,
297.3777, 399.3694

■ 0.0000, 0.0000,
0.3489

■ 0.0000, 0.0000,
0.0000

■ 30.2637, 41.9147,
67.4681

■ 30.2637, 41.9147,
67.4681

■ 30.2633, 41.9137,
67.4687

■ 30.9919, 42.9102,
67.6227

■ 32.0612, 44.0887,
67.7938

■ 33.5855, 45.5098,
67.9878

■ 35.6266, 47.2054,
68.2075

■ 38.2366, 49.2024,
68.4554

■ 41.4611, 51.5243,
68.7336

■ 45.3412, 54.1924,
69.0441

■ 49.9143, 57.2258,
69.3886

■ 55.2150, 60.6426,
69.7687

Harmonies

Analogous

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



28.6893, 41.9147, 47.1723



30.2637, 41.9147, 67.4681



34.3738, 41.9147, 84.9212

Triad

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



30.2637, 41.9147, 67.4681



51.8754, 41.9147, 64.1144



39.3112, 41.9147, 18.5571

Complementary

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



30.2637, 41.9147, 67.4681



26.8128, 14.1695, 1.3234

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.



45.8541, 41.9147, 20.8372



30.2637, 41.9147, 67.4681



53.5566, 41.9147, 44.1373

Square

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



30.2637, 41.9147, 67.4681



46.8694, 41.9147, 82.6461



51.2461, 41.9147, 29.1119



33.5487, 41.9147, 21.7500

Rectangle

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



30.2637, 41.9147, 67.4681



38.2312, 41.9147, 90.6732



51.2461, 41.9147, 29.1119



41.4905, 41.9147, 18.7087

Sweetspot

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



30.2650, 41.9162, 67.4691



70.1162, 83.9265, 107.1117



23.1531, 46.1364, 8.2381



14.4344, 17.5733, 22.8812



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.



30.2650, 41.9162, 67.4691



46.8852, 64.8904, 104.6617



15.0852, 11.5565, 62.4092



12.0631, 13.2165, 15.1589



18.4985, 25.6437, 41.1672



1.0617, 1.4886, 2.3109

Inverse Universe

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



35.9835, 17.4647, 50.7661



55.7947, 27.0819, 78.5739



33.6030, 27.7500, 3.5868



12.2627, 11.9898, 14.6594



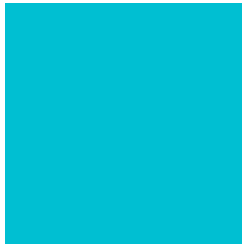
21.9679, 10.6600, 31.0670



1.2421, 0.6016, 1.8098

Previews

White Background



This preview shows how the XYZ color 30.2637, 41.9147, 67.4681 looks on a white background.

Color Contrast Check

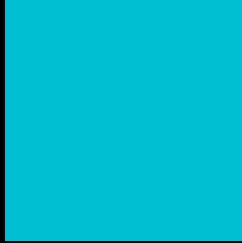
Large Text (above 18pt) WCAG AA × Fail

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 30.2637, 41.9147, 67.4681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

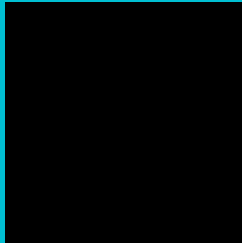
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.2637, 41.9147, 67.4681

Background



This preview shows how black text looks on a background with the XYZ color 30.2637, 41.9147, 67.4681.

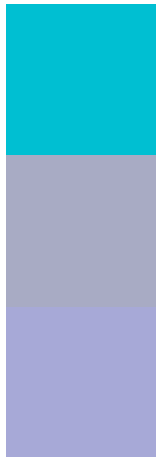


This preview shows how white text looks on a background with the XYZ color 30.2637, 41.9147,

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

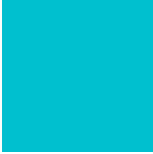
30.2637, 41.9147, 67.4681

Protanopia

40.6752, 41.4362, 58.0787

Deuteranopia

42.3901, 41.4977, 70.0656



Tritanopia

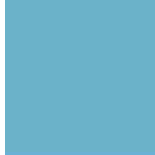
29.8933, 41.7666, 65.5177

Trichromacy



Original Color

30.2637, 41.9147, 67.4681



Protanomaly

32.5264, 39.1836, 61.1072



Deuteranomaly

33.6762, 39.3125, 68.7639



Tritanomaly

30.0160, 41.8157, 66.1637

Monochromacy



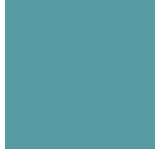
Original Color

30.2637, 41.9147, 67.4681



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

22.4298, 28.4475, 38.9591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2637, 41.9147, 67.4681 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 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, 191, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 210) }
```

Border

The CSS property to change the border of an element to XYZ 30.2637, 41.9147, 67.4681 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, 210) }
```


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

```
.border{ border-color:rgb(0, 191, 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, 191, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2637, 41.9147, 67.4681 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, 210) }
```

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

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