

Converting Colors

XYZ(19.7971, 33.6736, 63.5972)

Have a look what the booklet for
XYZ(19.7971, 33.6736, 63.5972)
contains.

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Color

**XYZ(27.8685, 37.9121,
64.2415)**

Conversions

Conversions Part 1

Format	Color
Hex	00B6CE
RGB	0, 182, 206
RGB Percent	0%, 71%, 81%
CMY	0.9998, 0.2863, 0.1922
CMYK	1.00, 0.12, 0.00, 0.19
HSL	187°, 100%, 40%
HSV	187°, 100%, 81%
XYZ	27.8685, 37.9121, 64.2415
YIQ	130.3180, -116.1760, -31.1200

Conversions

Conversions Part 2

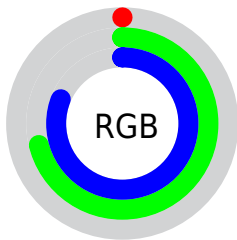
Format	Color
RYB	0, 97, 206
Decimal	46798
CIELab	67.96, -29.71, -22.99
CIELCh	68, 37.566, 217.740
Yxy	37.9121, 0.2143, 0.2916
Android (android.graphics.Color)	4278236878 (0xFF00B6CE)
YUV	130.3180, 37.3112, -114.2889
Hunter-Lab	61.5728, -26.9614, -18.7588

Details

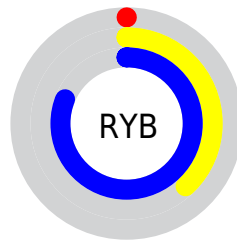
The XYZ color **27.8685, 37.9121, 64.2415** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **25.7817, 13.7772, 1.3017**, and the grayscale version is **21.2373, 22.3433, 24.3318**.

A 20% lighter version of the original color is **54.2181, 71.2526, 105.5033**, and **13.5178, 17.9675, 32.4614** is the 20% darker color. If you saturate the color by 10%, you get **27.8681, 37.9110, 64.2420**, and if you desaturate by 10%, it is **28.6668, 39.0604, 64.4218**.

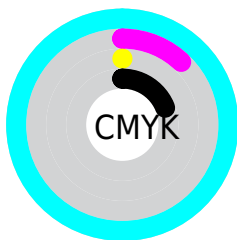
Distribution



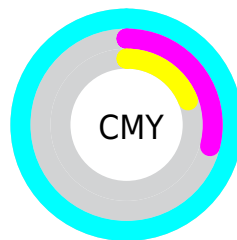
- Red (0%)
- Green (71%)
- Blue (81%)



- Red (0%)
- Yellow (38%)
- Blue (81%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (29%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8685, 37.9121, 64.2415 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 27.8685, 37.9121, 64.2415 by changing the saturation by 10% instead.

■ 27.8685, 37.9121,
64.2415

■ 27.8685, 37.9121,
64.2415

283.9295,
337.2428, 458.2926

■ 18.3665, 25.9145,
46.3989

■ 55.6845, 71.9734,
112.5615

■ 11.3147, 16.7597,
32.2098

■ 74.7293, 94.8058,
143.8759

■ 6.3478, 10.0633,
21.2556

■ 97.6857, 122.0187,
180.5180

■ 3.1003, 5.4409,
13.1179

■ 124.9191,
153.9963, 222.9063

■ 1.2070, 2.5082,
7.3781

■ 156.7948,
191.1232, 271.4594

■ 0.1119, 0.8808,
3.6177

193.6782,

■ 0.0000, 0.0000,

233.7836, 326.5958

1.4180

235.9346,
282.3620, 388.7340

■ 0.0000, 0.0000,
0.1557

■ 0.0000, 0.0000,
0.0000

■ 27.8685, 37.9121,
64.2415

■ 27.8685, 37.9121,
64.2415

■ 27.8681, 37.9110,
64.2420

■ 28.6668, 39.0604,
64.4218

■ 29.7936, 40.3900,
64.6190

■ 31.3591, 41.9583,
64.8393

■ 33.4221, 43.7958,
65.0852

■ 36.0323, 45.9281,
65.3592

■ 39.2332, 48.3778,
65.6633

■ 43.0640, 51.1650,
65.9994

■ 47.5604, 54.3084,
66.3692

■ 52.7555, 57.8249,
66.7741

Harmonies

Analogous

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



26.0191, 37.9121, 45.7611



27.8685, 37.9121, 64.2415



31.9482, 37.9121, 78.7394

Triad

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



27.8685, 37.9121, 64.2415



47.4497, 37.9121, 54.6908



34.5441, 37.9121, 16.9211

Complementary

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



27.8685, 37.9121, 64.2415



25.7817, 13.7772, 1.3017

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.



40.4548, 37.9121, 18.1080



27.8685, 37.9121, 64.2415



48.3372, 37.9121, 37.1011

Square

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



27.8685, 37.9121, 64.2415



43.3487, 37.9121, 72.2683



45.6572, 37.9121, 24.5677



29.5928, 37.9121, 20.7234

Rectangle

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



27.8685, 37.9121, 64.2415



35.5935, 37.9121, 82.4416



45.6572, 37.9121, 24.5677



36.4787, 37.9121, 16.7737

Sweetspot

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



27.8697, 37.9135, 64.2424



69.5069, 82.7080, 106.9086



22.2042, 44.1963, 8.0526



14.2866, 17.2776, 22.8319



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.



27.8697, 37.9135, 64.2424



45.0527, 61.2254, 104.0509



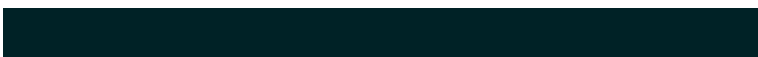
14.1909, 10.5559, 59.6828



11.4273, 12.4951, 14.3799



17.2063, 23.4365, 39.5731



0.9200, 1.2738, 2.0523

Inverse Universe

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



33.8982, 16.5005, 45.6555



54.8697, 26.7119, 73.7031



32.6141, 27.4420, 3.5792



11.6291, 11.3804, 13.8473



20.8958, 10.1689, 28.2338



1.0943, 0.5311, 1.5426

Previews

White Background



This preview shows how the XYZ color 27.8685, 37.9121, 64.2415 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 27.8685, 37.9121, 64.2415 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

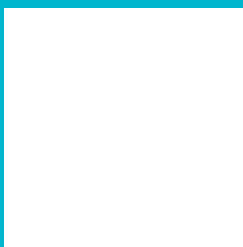
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8685, 37.9121, 64.2415

Background



This preview shows how black text looks on a background with the XYZ color 27.8685, 37.9121, 64.2415.



This preview shows how white text looks on a background with the XYZ color 27.8685, 37.9121,

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

27.8685, 37.9121, 64.2415

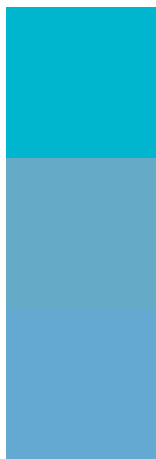
Protanopia

37.0209, 37.4156, 55.7228

Deuteranopia

38.3885, 37.6117, 66.8645

Trichromacy



Original Color

27.8685, 37.9121, 64.2415

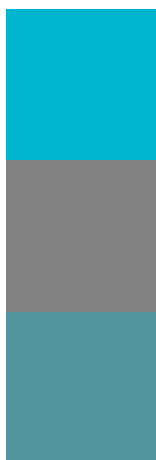
Protanomaly

29.9346, 35.5934, 58.7186

Deuteranomaly

30.8422, 35.6320, 65.5737

Monochromacy



Original Color

27.8685, 37.9121, 64.2415

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.4863, 25.8025, 36.2484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8685, 37.9121, 64.2415 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, 182, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 206)  
}
```

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, 182, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 206) }
```

Border

The CSS property to change the border of an element to XYZ 27.8685, 37.9121, 64.2415 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, 182, 206) }
```

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

```
.border{ border-color:rgb(0, 182, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
206) }
```


Background

The CSS property to change the background color of an element to XYZ 27.8685, 37.9121, 64.2415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 206) }
```

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

```
.background{ background-color: rgb(0, 182,  
206) }
```

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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