

Converting Colors

XYZ(22.7543, 35.2938, 64.5087)

Have a look what the booklet for
XYZ(22.7543, 35.2938, 64.5087)
contains.

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Color

**XYZ(27.9904, 37.9609,
64.8834)**

Conversions

Conversions Part 1

Format	Color
Hex	00B6CF
RGB	0, 182, 207
RGB Percent	0%, 71%, 81%
CMY	0.9998, 0.2863, 0.1882
CMYK	1.00, 0.12, 0.00, 0.19
HSL	187°, 100%, 41%
HSV	187°, 100%, 81%
XYZ	27.9904, 37.9609, 64.8834
YIQ	130.4320, -116.4970, -30.8090

Conversions

Conversions Part 2

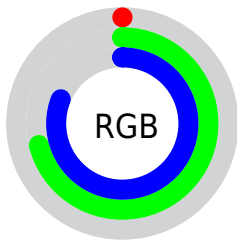
Format	Color
RYB	0, 97, 207
Decimal	46799
CIELab	67.99, -29.38, -23.49
CIELCh	68, 37.614, 218.642
Yxy	37.9609, 0.2139, 0.2901
Android (android.graphics.Color)	4278236879 (0xFF00B6CF)
YUV	130.4320, 37.7480, -114.3889
Hunter-Lab	61.6124, -26.7295, -19.3090

Details

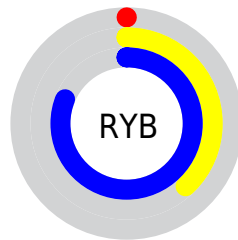
The XYZ color **27.9904, 37.9609, 64.8834** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **26.0812, 13.9627, 1.3217**, and the grayscale version is **21.2761, 22.3841, 24.3763**.

A 20% lighter version of the original color is **54.3335, 71.3121, 105.5087**, and **13.6000, 18.0004, 32.8946** is the 20% darker color. If you saturate the color by 10%, you get **27.9900, 37.9598, 64.8839**, and if you desaturate by 10%, it is **28.8116, 39.1520, 65.0708**.

Distribution



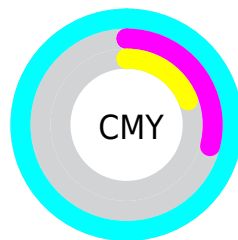
- Red (0%)
- Green (71%)
- Blue (81%)



- 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 27.9904, 37.9609, 64.8834 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 27.9904, 37.9609, 64.8834 by changing the saturation by 10% instead.

■ 27.9904, 37.9609,
64.8834

■ 27.9904, 37.9609,
64.8834

284.5020,
337.4522, 460.6676

■ 18.4588, 25.9523,
46.9158

■ 55.8779, 72.0482,
113.4939

■ 11.3816, 16.7880,
32.6152

■ 74.9645, 94.8957,
144.9738

■ 6.3933, 10.0834,
21.5631

■ 97.9668, 122.1251,
181.7950

■ 3.1286, 5.4543,
13.3410

■ 125.2503,
154.1206, 224.3759

■ 1.2221, 2.5162,
7.5303

■ 157.1801,
191.2666, 273.1350

■ 0.1237, 0.8847,
3.7125

194.1218,

■ 0.0000, 0.0000,

233.9477, 328.4910

1.4690

236.4406,
282.5481, 390.8623

■ 0.0000, 0.0000,
0.1947

■ 0.0000, 0.0000,
0.0000

■ 27.9904, 37.9609,
64.8834

■ 27.9904, 37.9609,
64.8834

■ 27.9900, 37.9598,
64.8839

■ 28.8116, 39.1520,
65.0708

■ 29.9659, 40.5277,
65.2755

■ 31.5644, 42.1461,
65.5036

■ 33.6667, 44.0380,
65.7580

■ 36.3231, 46.2294,
66.0409

■ 39.5775, 48.7431,
66.3546

■ 43.4698, 51.5995,
66.7008

■ 48.0360, 54.8174,
67.0813

■ 53.3096, 58.4141,
67.4975

Harmonies

Analogous

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



26.0654, 37.9609, 46.3637



27.9904, 37.9609, 64.8834



32.1380, 37.9609, 79.1697

Triad

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



27.9904, 37.9609, 64.8834



47.6004, 37.9609, 54.2075



34.4172, 37.9609, 16.9679

Complementary

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



27.9904, 37.9609, 64.8834



26.0812, 13.9627, 1.3217

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.



40.3334, 37.9609, 18.0083



27.9904, 37.9609, 64.8834



48.3801, 37.9609, 36.6800

Square

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



27.9904, 37.9609, 64.8834



43.5687, 37.9609, 71.9378



45.5966, 37.9609, 24.3067



29.5039, 37.9609, 20.9352

Rectangle

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



27.9904, 37.9609, 64.8834



35.8148, 37.9609, 82.6161



45.5966, 37.9609, 24.3067



36.3479, 37.9609, 16.7717

Sweetspot

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



27.9916, 37.9623, 64.8843



69.4077, 82.5095, 106.8755



22.4805, 44.6932, 8.3163



14.2625, 17.2295, 22.8239



0.0000, 0.0000, 0.0000



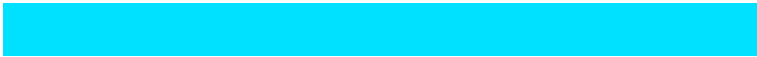
20.3446, 21.4041, 23.3091

Same Dimension

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



27.9916, 37.9623, 64.8843



44.7590, 60.6379, 103.9530



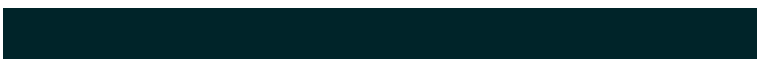
14.0865, 10.1519, 60.2493



12.0314, 13.1531, 15.1483



17.6812, 24.0090, 40.8948



1.0238, 1.4127, 2.2983

Inverse Universe

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



34.1767, 16.6440, 45.6686



54.7215, 26.6526, 72.9224



33.4085, 28.6174, 3.7641



12.2468, 11.9834, 14.5752



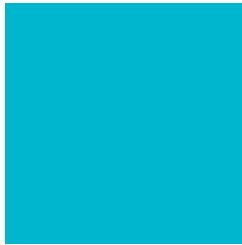
21.5554, 10.4950, 28.8945



1.2230, 0.5939, 1.7090

Previews

White Background



This preview shows how the XYZ color 27.9904, 37.9609, 64.8834 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 27.9904, 37.9609, 64.8834 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

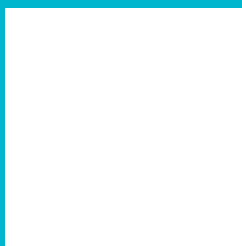
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.9904, 37.9609, 64.8834

Background



This preview shows how black text looks on a background with the XYZ color 27.9904, 37.9609, 64.8834.



This preview shows how white text looks on a background with the XYZ color 27.9904, 37.9609,

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

27.9904, 37.9609, 64.8834

Protanopia

36.9353, 37.3585, 56.3032

Deuteranopia

38.5143, 37.6620, 67.5269



Tritanopia

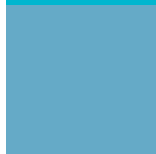
27.1265, 37.9442, 59.3203

Trichromacy



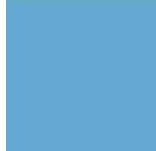
Original Color

27.9904, 37.9609, 64.8834



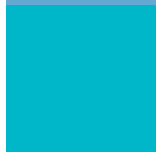
Protanomaly

30.0504, 35.6397, 59.3282



Deuteranomaly

30.9664, 35.6817, 66.2279



Tritanomaly

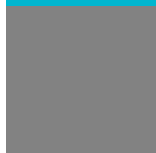
27.4761, 38.0840, 61.1611

Monochromacy



Original Color

27.9904, 37.9609, 64.8834



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 27.9904, 37.9609, 64.8834 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 207) }
```

Border

The CSS property to change the border of an element to XYZ 27.9904, 37.9609, 64.8834 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, 207) }
```


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

```
.border{ border-color:rgb(0, 182, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 182, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 182, 207); box-shadow:4px 4px 4px 4px rgb(0, 182, 207) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9904, 37.9609, 64.8834 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, 207) }
```

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

```
.background{ background-color: rgb(0, 182,  
207) }
```

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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