

Converting Colors

XYZ(27.8043, 36.6653, 67.6678)

Have a look what the booklet for
XYZ(27.8043, 36.6653, 67.6678)
contains.

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Color

**XYZ(27.8041, 36.5943,
67.8853)**

Conversions

Conversions Part 1

Format	Color
Hex	00B2D4
RGB	0, 178, 212
RGB Percent	0%, 70%, 83%
CMY	0.9998, 0.3020, 0.1686
CMYK	1.00, 0.16, 0.00, 0.17
HSL	190°, 100%, 42%
HSV	190°, 100%, 83%
XYZ	27.8041, 36.5943, 67.8853
YIQ	128.6540, -117.0020, -27.1620

Conversions

Conversions Part 2

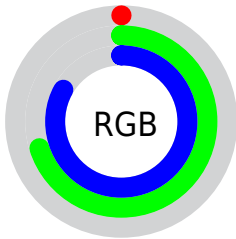
Format	Color
RYB	0, 97, 212
Decimal	45780
CIELab	66.97, -25.72, -27.80
CIELCh	67, 37.876, 227.228
Yxy	36.5943, 0.2102, 0.2766
Android (android.graphics.Color)	4278235860 (0xFF00B2D4)
YUV	128.6540, 41.0896, -112.8296
Hunter-Lab	60.4932, -23.8204, -24.1898

Details

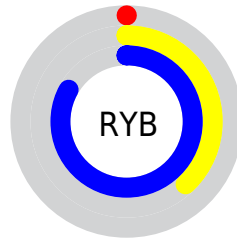
The XYZ color **27.8041, 36.5943, 67.8853** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **27.7255, 15.1443, 1.4634**, and the grayscale version is **20.6416, 21.7166, 23.6494**.

A 20% lighter version of the original color is **53.1817, 69.0087, 105.1248**, and **13.4194, 17.1016, 34.4919** is the 20% darker color. If you saturate the color by 10%, you get **27.8030, 36.5919, 67.8856**, and if you desaturate by 10%, it is **28.8044, 38.1276, 68.1293**.

Distribution



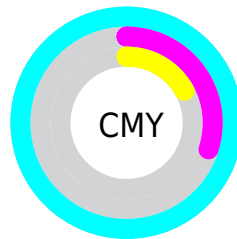
- Red (0%)
- Green (70%)
- Blue (83%)



- Red (0%)
- Yellow (38%)
- Blue (83%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (30%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8041, 36.5943, 67.8853 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 27.8041, 36.5943, 67.8853 by changing the saturation by 10% instead.

■ 27.8041, 36.5943,
67.8853

■ 27.8041, 36.5943,
67.8853

283.6267,
331.5507, 471.6765

■ 18.3177, 24.8935,
49.3383

■ 55.5824, 69.9484,
117.8407

■ 11.2794, 15.9978,
34.5204

■ 74.6050, 92.3705,
150.0862

■ 6.3238, 9.5226,
23.0131

■ 97.5370, 119.1351,
187.7350

■ 3.0855, 5.0836,
14.3978

■ 124.7439,
150.6267, 231.2055

■ 1.1991, 2.2964,
8.2560

■ 156.5910,
187.2297, 280.9164

■ 0.1057, 0.7718,
4.1690

193.4436,

■ 0.0000, 0.0000,

229.3284, 337.2862

1.7185

235.6670,
277.3073, 400.7334

■ 0.0000, 0.0000,
0.3734

■ 0.0000, 0.0000,
0.0000

■ 27.8041, 36.5943,
67.8853

■ 27.8041, 36.5943,
67.8853

■ 27.8030, 36.5919,
67.8856

■ 28.8044, 38.1276,
68.1293

■ 30.1652, 39.8712,
68.3941

■ 32.0026, 41.8858,
68.6861

■ 34.3798, 44.2041,
69.0083

■ 37.3504, 46.8538,
69.3632

■ 40.9611, 49.8593,
69.7530

■ 45.2541, 53.2425,
70.1797

■ 50.2677, 57.0233,
70.6452

■ 56.0374, 61.2201,
71.1512

Harmonies

Analogous

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



25.2584, 36.5943, 49.9730



27.8041, 36.5943, 67.8853



32.3955, 36.5943, 79.3671

Triad

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



27.8041, 36.5943, 67.8853



46.7108, 36.5943, 47.2591



31.6103, 36.5943, 16.6161

Complementary

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



27.8041, 36.5943, 67.8853



27.7255, 15.1443, 1.4634

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.



37.2824, 36.5943, 16.2631



27.8041, 36.5943, 67.8853



46.4406, 36.5943, 31.1871

Square

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



27.8041, 36.5943, 67.8853



43.5409, 36.5943, 65.4331



42.8389, 36.5943, 20.8354



27.2840, 36.5943, 21.9854

Rectangle

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



27.8041, 36.5943, 67.8853



36.1908, 36.5943, 80.2115



42.8389, 36.5943, 20.8354



33.4098, 36.5943, 15.9724

Sweetspot

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



27.8053, 36.5956, 67.8862



68.4945, 80.6831, 106.5711



23.8030, 47.1913, 9.2098



14.0414, 16.7873, 22.7502



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.



27.8053, 36.5956, 67.8862



42.1207, 55.3614, 103.0736



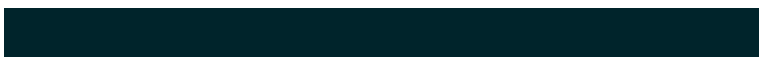
14.3489, 9.6828, 63.4007



12.6147, 13.7528, 15.9272



17.2256, 22.7130, 41.9293



1.0854, 1.4629, 2.5445

Inverse Universe

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



35.1884, 17.2128, 43.5885



53.3898, 26.1199, 65.9099



36.2145, 32.1224, 4.2930



12.8635, 12.5969, 15.2212



21.7536, 10.6377, 27.0700



1.3355, 0.6510, 1.7562

Previews

White Background



This preview shows how the XYZ color 27.8041, 36.5943, 67.8853 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 27.8041, 36.5943, 67.8853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

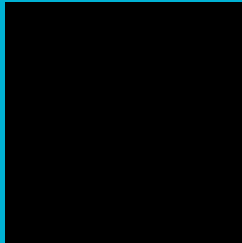
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.8041, 36.5943, 67.8853

Background



This preview shows how black text looks on a background with the XYZ color 27.8041, 36.5943, 67.8853.

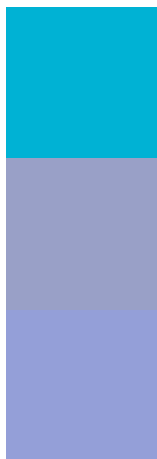


This preview shows how white text looks on a background with the XYZ color 27.8041, 36.5943,

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

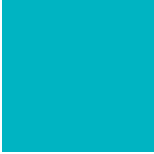
27.8041, 36.5943, 67.8853

Protanopia

36.0165, 36.0374, 59.0905

Deuteranopia

37.0055, 36.0500, 69.9737



Tritanopia

26.0589, 36.5376, 56.7179

Trichromacy



Original Color

27.8041, 36.5943, 67.8853



Protanomaly

29.6476, 34.5385, 62.2307



Deuteranomaly

30.5181, 34.5584, 69.3519



Tritanomaly

26.6627, 36.4572, 60.8900

Monochromacy



Original Color

27.8041, 36.5943, 67.8853



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

20.1714, 25.1645, 36.5950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8041, 36.5943, 67.8853 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, 178, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 212)  
}
```

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, 178, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 212) }
```

Border

The CSS property to change the border of an element to XYZ 27.8041, 36.5943, 67.8853 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, 178, 212) }
```


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

```
.border{ border-color:rgb(0, 178, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8041, 36.5943, 67.8853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 212) }
```

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

```
.background{ background-color: rgb(0, 178,  
212) }
```

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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