

Converting Colors

XYZ(21.6391, 35.2697, 67.2097)

Have a look what the booklet for
XYZ(21.6391, 35.2697, 67.2097)
contains.

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Color

**XYZ(28.8984, 38.9841,
67.6296)**

Conversions

Conversions Part 1

Format	Color
Hex	00B8D3
RGB	0, 184, 211
RGB Percent	0%, 72%, 83%
CMY	0.9998, 0.2784, 0.1725
CMYK	1.00, 0.13, 0.00, 0.17
HSL	188°, 100%, 41%
HSV	188°, 100%, 83%
XYZ	28.8984, 38.9841, 67.6296
YIQ	132.0620, -118.3310, -30.6110

Conversions

Conversions Part 2

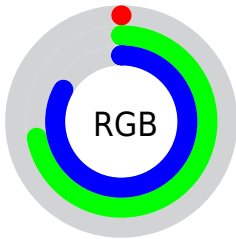
Format	Color
RYB	0, 98, 211
Decimal	47315
CIELab	68.74, -29.04, -24.54
CIELCh	69, 38.023, 220.195
Yxy	38.9841, 0.2133, 0.2877
Android (android.graphics.Color)	4278237395 (0xFF00B8D3)
YUV	132.0620, 38.9164, -115.8184
Hunter-Lab	62.4372, -26.6484, -20.5145

Details

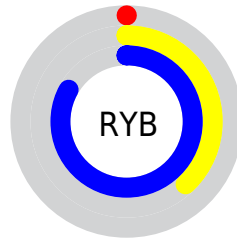
The XYZ color **28.8984, 38.9841, 67.6296** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **27.2578, 14.6355, 1.3899**, and the grayscale version is **21.8555, 22.9937, 25.0402**.

A 20% lighter version of the original color is **55.0358, 72.5434, 105.7093**, and **14.1170, 18.6329, 34.3050** is the 20% darker color. If you saturate the color by 10%, you get **28.8975, 38.9822, 67.6300**, and if you desaturate by 10%, it is **29.7779, 40.2790, 67.8340**.

Distribution



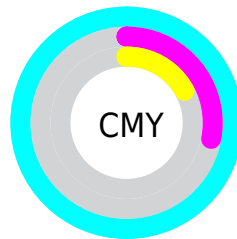
- Red (0%)
- Green (72%)
- Blue (83%)



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



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (28%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8984, 38.9841, 67.6296 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 28.8984, 38.9841, 67.6296 by changing the saturation by 10% instead.

■ 28.8984, 38.9841,
67.6296

■ 28.8984, 38.9841,
67.6296

288.7381,
341.8229, 470.7449

■ 19.1479, 26.7474,
49.1317

■ 57.3143, 73.6140,
117.4713

■ 11.8818, 17.3836,
34.3576

■ 76.7104, 96.7760,
149.6521

■ 6.7349, 10.5083,
22.8889

■ 100.0524,
124.3485, 187.2310

■ 3.3417, 5.7373,
14.3069

■ 127.7056,
156.7160, 230.6265

■ 1.3369, 2.6860,
8.1933

■ 160.0354,
194.2627, 280.2570

■ 0.2106, 0.9701,
4.1293

197.4072,

■ 0.0000, 0.0000,

237.3732, 336.5413

1.6966

240.1863,
286.4318, 399.8977

■ 0.0000, 0.0000,
0.3584

■ 0.0000, 0.0000,
0.0000

■ 28.8984, 38.9841,
67.6296

■ 28.8984, 38.9841,
67.6296

■ 28.8975, 38.9822,
67.6300

■ 29.7779, 40.2790,
67.8340

■ 31.0079, 41.7699,
68.0569

■ 32.7032, 43.5167,
68.3047

■ 34.9265, 45.5519,
68.5803

■ 37.7304, 47.9026,
68.8863

■ 41.1612, 50.5928,
69.2247

■ 45.2605, 53.6441,
69.5976

■ 50.0662, 57.0760,
70.0068

■ 55.6133, 60.9066,
70.4538

Harmonies

Analogous

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



26.7912, 38.9841, 48.5875



28.8984, 38.9841, 67.6296



33.2692, 38.9841, 81.8854

Triad

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



28.8984, 38.9841, 67.6296



49.0417, 38.9841, 54.6947



35.0425, 38.9841, 17.4711

Complementary

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



28.8984, 38.9841, 67.6296



27.2578, 14.6355, 1.3899

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.



41.1138, 38.9841, 18.2782



28.8984, 38.9841, 67.6296



49.6490, 38.9841, 36.8470

Square

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



28.8984, 38.9841, 67.6296



45.0346, 38.9841, 73.1271



46.6137, 38.9841, 24.4497



30.0754, 38.9841, 21.8315

Rectangle

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



28.8984, 38.9841, 67.6296



37.0927, 38.9841, 84.9604



46.6137, 38.9841, 24.4497



37.0138, 38.9841, 17.1832

Sweetspot

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



28.8997, 38.9855, 67.6306



69.2407, 82.1755, 106.8198



23.4671, 46.6582, 8.6700



14.2220, 17.1486, 22.8104



0.0000, 0.0000, 0.0000



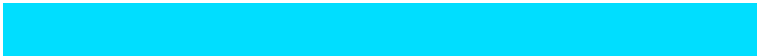
20.3446, 21.4041, 23.3091

Same Dimension

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



28.8997, 38.9855, 67.6306



44.2677, 59.6554, 103.7892



14.6950, 10.5762, 62.8957



12.0239, 13.1381, 15.1458



17.4922, 23.6310, 40.8318



1.0149, 1.3951, 2.2953

Inverse Universe

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



35.5169, 17.3110, 46.8181



54.4735, 26.5534, 71.6166



34.8657, 29.8513, 3.9258



12.2430, 11.9819, 14.5553



21.4600, 10.4568, 28.3922



1.2185, 0.5921, 1.6855

Previews

White Background



This preview shows how the XYZ color 28.8984, 38.9841, 67.6296 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 28.8984, 38.9841, 67.6296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

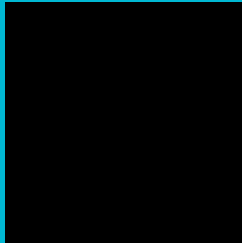
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.8984, 38.9841, 67.6296

Background



This preview shows how black text looks on a background with the XYZ color 28.8984, 38.9841, 67.6296.

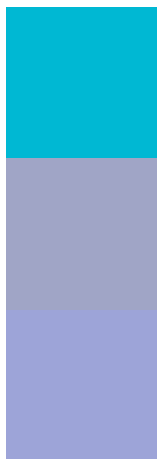


This preview shows how white text looks on a background with the XYZ color 28.8984, 38.9841,

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

28.8984, 38.9841, 67.6296

Protanopia

38.1454, 38.4611, 58.8393

Deuteranopia

39.5748, 38.6769, 70.3453



Tritanopia

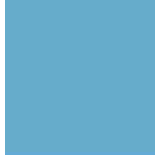
27.7743, 38.8681, 60.6820

Trichromacy



Original Color

28.8984, 38.9841, 67.6296



Protanomaly

31.0115, 36.6416, 61.9380



Deuteranomaly

31.9560, 36.6902, 69.0160



Tritanomaly

28.2480, 39.0576, 63.1768

Monochromacy



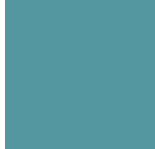
Original Color

28.8984, 38.9841, 67.6296



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

21.1558, 26.5912, 37.7358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8984, 38.9841, 67.6296 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, 184, 211)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 211)  
}
```

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, 184, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 211) }
```

Border

The CSS property to change the border of an element to XYZ 28.8984, 38.9841, 67.6296 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, 184, 211) }
```


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

```
.border{ border-color:rgb(0, 184, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 211);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8984, 38.9841, 67.6296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 211) }
```

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

```
.background{ background-color: rgb(0, 184,  
211) }
```

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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