

Converting Colors

XYZ(29.9189, 40.7741, 78.4261)

Have a look what the booklet for
XYZ(29.9189, 40.7741, 78.4261)
contains.

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Color

**XYZ(31.9251, 41.8862,
78.3537)**

Conversions

Conversions Part 1

Format	Color
Hex	00BDE2
RGB	0, 189, 226
RGB Percent	0%, 74%, 89%
CMY	0.9998, 0.2588, 0.1137
CMYK	1.00, 0.16, 0.00, 0.11
HSL	190°, 100%, 44%
HSV	190°, 100%, 89%
XYZ	31.9251, 41.8862, 78.3537
YIQ	136.7070, -124.5210, -28.5610

Conversions

Conversions Part 2

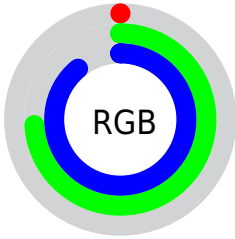
Format	Color
RYB	0, 103, 226
Decimal	48610
CIELab	70.79, -26.54, -29.58
CIELCh	71, 39.743, 228.101
Yxy	41.8862, 0.2098, 0.2753
Android (android.graphics.Color)	4278238690 (0xFF00BDE2)
YUV	136.7070, 44.0214, -119.8920
Hunter-Lab	64.7195, -25.2081, -26.4767

Details

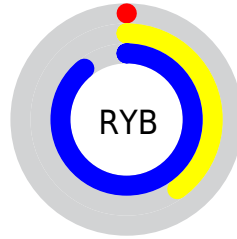
The XYZ color **31.9251, 41.8862, 78.3537** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **32.0282, 17.4959, 1.6907**, and the grayscale version is **23.5477, 24.7740, 26.9789**.

A 20% lighter version of the original color is **57.1901, 76.3197, 106.3247**, and **16.0147, 20.2682, 41.5962** is the 20% darker color. If you saturate the color by 10%, you get **31.9236, 41.8830, 78.3540**, and if you desaturate by 10%, it is **33.0777, 43.6781, 78.6397**.

Distribution



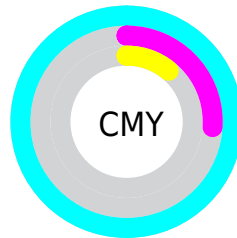
- Red (0%)
- Green (74%)
- Blue (89%)



- Red (0%)
- Yellow (40%)
- Blue (89%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (26%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9251, 41.8862, 78.3537 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 31.9251, 41.8862, 78.3537 by changing the saturation by 10% instead.

31.9251, 41.8862,
78.3537

31.9251, 41.8862,
78.3537

302.5293,
354.0110, 508.9269

21.4596, 29.0122,
57.8464

62.0596, 78.0274,
132.8390

13.5747, 19.0900,
41.2713

82.4594, 102.0633,
167.6541

7.9052, 11.7354,
28.2098

106.9012,
130.5887, 208.0756

4.0856, 6.5637,
18.2435

135.7504,
163.9879, 254.5219

1.7507, 3.1908,
10.9537

169.3725,
202.6454, 307.4116

0.4877, 1.2321,
5.9219

208.1328,

0.0000, 0.0877,

246.9454, 367.1634

2.7296

252.3966,
297.2725, 434.1956

■ 0.0000, 0.0000,
0.9583

■ 0.0000, 0.0000,
0.0000

■ 31.9251, 41.8862,
78.3537

■ 31.9251, 41.8862,
78.3537

■ 31.9236, 41.8830,
78.3540

■ 33.0777, 43.6781,
78.6397

■ 34.6526, 45.7173,
78.9503

■ 36.7805, 48.0722,
79.2926

■ 39.5359, 50.7815,
79.6704

■ 42.9814, 53.8775,
80.0863

■ 47.1720, 57.3888,
80.5432

■ 52.1569, 61.3410,
81.0434

■ 57.9811, 65.7576,
81.5889

■ 64.6861, 70.6601,
82.1818

Harmonies

Analogous

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



28.9281, 41.8862, 57.8544



31.9251, 41.8862, 78.3537



37.2524, 41.8862, 91.2057

Triad

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



31.9251, 41.8862, 78.3537



53.5626, 41.8862, 53.5170



35.9980, 41.8862, 19.0528

Complementary

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



31.9251, 41.8862, 78.3537



32.0282, 17.4959, 1.6907

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.



42.4854, 41.8862, 18.4898



31.9251, 41.8862, 78.3537



53.1307, 41.8862, 35.2228

Square

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



31.9251, 41.8862, 78.3537



50.0223, 41.8862, 74.4328



48.9004, 41.8862, 23.5540



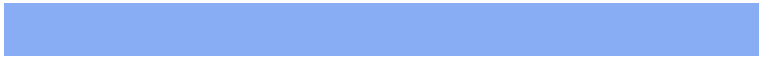
31.0945, 41.8862, 25.3894

Rectangle

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



31.9251, 41.8862, 78.3537



41.6266, 41.8862, 91.8710



48.9004, 41.8862, 23.5540



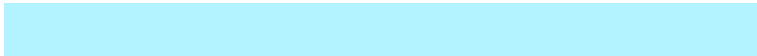
38.0501, 41.8862, 18.2617

Sweetspot

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



31.9265, 41.8877, 78.3547



68.4181, 80.5303, 106.5456



27.4855, 54.5089, 10.5824



14.0229, 16.7503, 22.7440



0.0000, 0.0000, 0.0000



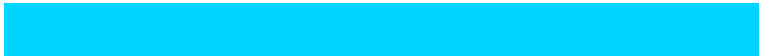
20.3446, 21.4041, 23.3091

Same Dimension

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



31.9265, 41.8877, 78.3547



41.9053, 54.9306, 103.0018



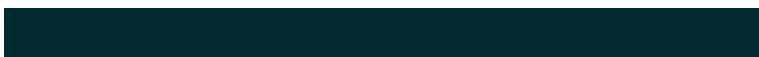
16.5345, 11.1037, 73.2241



13.9155, 15.1701, 17.5824



18.2866, 24.0428, 44.7253



1.3191, 1.7697, 3.1173

Inverse Universe

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



40.5506, 19.8445, 49.8386



53.2811, 26.0764, 65.3374



41.7863, 37.0123, 4.9435



14.1936, 13.8951, 16.7895



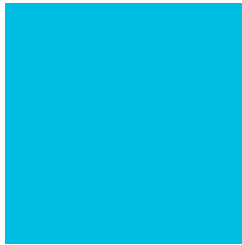
23.1704, 11.3352, 28.6270



1.6321, 0.7961, 2.1215

Previews

White Background



This preview shows how the XYZ color 31.9251, 41.8862, 78.3537 looks on a white background.

Color Contrast Check

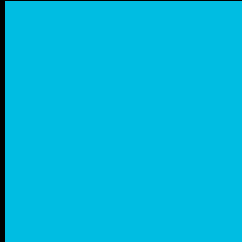
Large Text (above 18pt) WCAG AA × Fail

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 31.9251, 41.8862, 78.3537 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

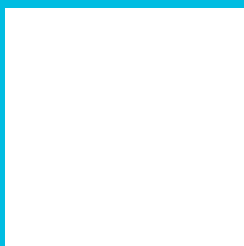
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9251, 41.8862, 78.3537

Background



This preview shows how black text looks on a background with the XYZ color 31.9251, 41.8862, 78.3537.

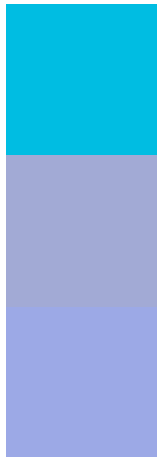


This preview shows how white text looks on a background with the XYZ color 31.9251, 41.8862,

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

31.9251, 41.8862, 78.3537

Protanopia

41.2853, 41.2349, 68.7340

Deuteranopia

42.1812, 41.1570, 80.5838



Tritanopia

29.7714, 41.7178, 64.8758

Trichromacy



Original Color

31.9251, 41.8862, 78.3537



Protanomaly

33.9705, 39.3898, 72.1422



Deuteranomaly

34.8138, 39.3605, 79.8912



Tritanomaly

30.4237, 41.6310, 69.3829

Monochromacy



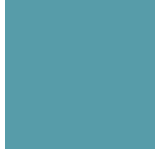
Original Color

31.9251, 41.8862, 78.3537



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.9804, 28.6677, 41.8584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9251, 41.8862, 78.3537 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, 189, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 226)  
}
```

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, 189, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 226) }
```

Border

The CSS property to change the border of an element to XYZ 31.9251, 41.8862, 78.3537 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, 189, 226) }
```


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

```
.border{ border-color:rgb(0, 189, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9251, 41.8862, 78.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 226) }
```

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

```
.background{ background-color: rgb(0, 189,  
226) }
```

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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