

Converting Colors

XYZ(24.0320, 38.1082, 75.4307)

Have a look what the booklet for
XYZ(24.0320, 38.1082, 75.4307)
contains.

| | |
|--|----|
| XYZ(31.5983, 42.1008, 75.5681) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 30 |

Color

**XYZ(31.5983, 42.1008,
75.5681)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00BEDE |
| RGB | 0, 190, 222 |
| RGB Percent | 0%, 75%, 87% |
| CMY | 0.9998, 0.2549, 0.1294 |
| CMYK | 1.00, 0.14, 0.00, 0.13 |
| HSL | 189°, 100%, 44% |
| HSV | 189°, 100%, 87% |
| XYZ | 31.5983, 42.1008, 75.5681 |
| YIQ | 136.8380, -123.5120, -30.3280 |

Conversions

Conversions Part 2

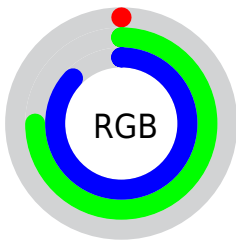
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 0, 102, 222 |
| Decimal | 48862 |
| CIE Lab | 70.94, -28.37, -27.18 |
| CIE LCh | 71, 39.286, 223.771 |
| Yxy | 42.1008, 0.2117, 0.2820 |
| Android (android.graphics.Color) | 4278238942 (0xFF00BEDE) |
| YUV | 136.8380, 41.9849, -120.0069 |
| Hunter-Lab | 64.8851, -26.6216, -23.6322 |

Details

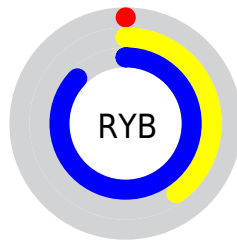
The XYZ color **31.5983, 42.1008, 75.5681** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **30.6430, 16.5662, 1.5843**, and the grayscale version is **23.6040, 24.8332, 27.0434**.

A 20% lighter version of the original color is **57.3742, 76.8673, 106.4207**, and **15.7792, 20.3983, 39.6648** is the 20% darker color. If you saturate the color by 10%, you get **31.5970, 42.0981, 75.5685**, and if you desaturate by 10%, it is **32.6365, 43.6773, 75.8185**.

Distribution



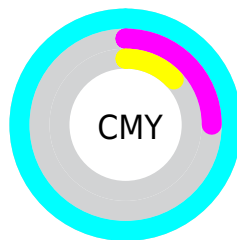
- Red (0%)
- Green (75%)
- Blue (87%)



- Red (0%)
- Yellow (40%)
- Blue (87%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (25%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5983, 42.1008, 75.5681 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 31.5983, 42.1008, 75.5681 by changing the saturation by 10% instead.

31.5983, 42.1008,
75.5681

31.5983, 42.1008,
75.5681

301.0632,
354.9006, 499.1754

21.2089, 29.1802,
55.5739

61.5503, 78.3522,
128.8707

13.3901, 19.2172,
39.4597

81.8436, 102.4517,
163.0162

7.7766, 11.8273,
26.8069

106.1689,
131.0464, 202.7158

4.0029, 6.6262,
17.1971

134.8916,
164.5207, 248.3881

1.7038, 3.2295,
10.2117

168.3770,
203.2588, 300.4517

0.4586, 1.2527,
5.4321

206.9905,

0.0000, 0.1041,

247.6452, 359.3251

2.4398

251.0975,
298.0644, 425.4268

■ 0.0000, 0.0000,
0.8080

■ 0.0000, 0.0000,
0.0000

■ 31.5983, 42.1008,
75.5681

■ 31.5983, 42.1008,
75.5681

■ 31.5970, 42.0981,
75.5685

■ 32.6365, 43.6773,
75.8185

■ 34.0747, 45.4820,
76.0910

■ 36.0394, 47.5810,
76.3926

■ 38.6015, 50.0110,
76.7266

■ 41.8210, 52.8030,
77.0959

■ 45.7504, 55.9844,
77.5028

■ 50.4368, 59.5794,
77.9497

■ 55.9232, 63.6103,
78.4386

■ 62.2493, 68.0979,
78.9714

Harmonies

Analogous

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



28.9945, 42.1008, 54.9667



31.5983, 42.1008, 75.5681



36.6003, 42.1008, 89.8863

Triad

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



31.5983, 42.1008, 75.5681



53.3563, 42.1008, 56.6697



37.0939, 42.1008, 18.9888

Complementary

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



31.5983, 42.1008, 75.5681



30.6430, 16.5662, 1.5843

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.



43.6369, 42.1008, 19.2121



31.5983, 42.1008, 75.5681



53.5258, 42.1008, 37.7851

Square

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



31.5983, 42.1008, 75.5681



49.3683, 42.1008, 77.1041



49.8087, 42.1008, 25.1544



31.9256, 42.1008, 24.4287

Rectangle

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



31.5983, 42.1008, 75.5681



40.8490, 42.1008, 92.0309



49.8087, 42.1008, 25.1544



39.1935, 42.1008, 18.4614

Sweetspot

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



31.5997, 42.1023, 75.5691



68.8668, 81.4278, 106.6952



26.3523, 52.3355, 9.9180



14.1315, 16.9675, 22.7802



0.0000, 0.0000, 0.0000



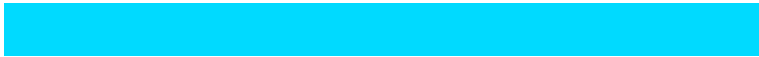
20.3446, 21.4041, 23.3091

Same Dimension

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



31.5997, 42.1023, 75.5691



43.1823, 57.4846, 103.4274



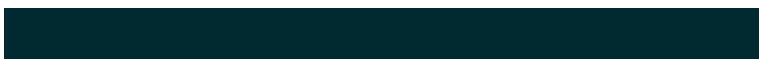
16.1609, 11.2247, 70.4229



13.9393, 15.2178, 17.5903



18.8310, 25.1315, 44.9067



1.3519, 1.8353, 3.1282

Inverse Universe

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



39.4197, 19.2489, 50.3543



53.9256, 26.3343, 68.7316



39.5943, 34.4687, 4.5680



14.2056, 13.8999, 16.8529



23.4452, 11.4451, 30.0739



1.6487, 0.8027, 2.2086

Previews

White Background



This preview shows how the XYZ color 31.5983, 42.1008, 75.5681 looks on a white background.

Color Contrast Check

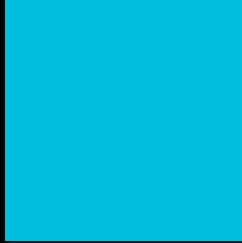
Large Text (above 18pt) WCAG AA × Fail

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 31.5983, 42.1008, 75.5681 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

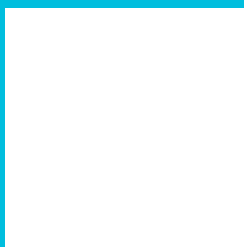
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5983, 42.1008, 75.5681

Background



This preview shows how black text looks on a background with the XYZ color 31.5983, 42.1008, 75.5681.



This preview shows how white text looks on a background with the XYZ color 31.5983, 42.1008,

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

31.5983, 42.1008, 75.5681

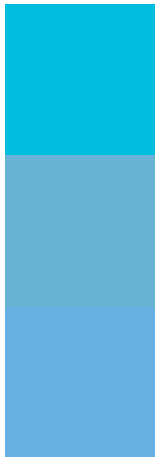
Protanopia

41.2579, 41.5724, 65.5243

Deuteranopia

42.7371, 41.7691, 78.4828

Trichromacy



Original Color

31.5983, 42.1008, 75.5681

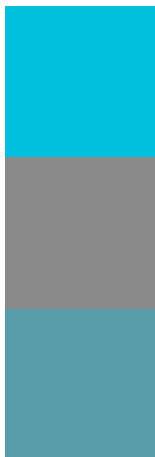
Protanomaly

33.6396, 39.5879, 68.8190

Deuteranomaly

34.7922, 39.7053, 77.0643

Monochromacy



Original Color

31.5983, 42.1008, 75.5681

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.8868, 28.6303, 41.3657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5983, 42.1008, 75.5681 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, 190, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 222)  
}
```

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, 190, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 222) }
```

Border

The CSS property to change the border of an element to XYZ 31.5983, 42.1008, 75.5681 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, 190, 222) }
```

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

```
.border{ border-color:rgb(0, 190, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 190, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
222) }
```


Background

The CSS property to change the background color of an element to XYZ 31.5983, 42.1008, 75.5681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 222) }
```

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

```
.background{ background-color: rgb(0, 190,  
222) }
```

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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