

Converting Colors

XYZ(23.5202, 38.0573, 63.5431)

Have a look what the booklet for
XYZ(23.5202, 38.0573, 63.5431)
contains.

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Color

**XYZ(29.3125, 41.1865,
63.5316)**

Conversions

Conversions Part 1

Format	Color
Hex	00BECC
RGB	0, 190, 204
RGB Percent	0%, 75%, 80%
CMY	0.9998, 0.2549, 0.2000
CMYK	1.00, 0.07, 0.00, 0.20
HSL	184°, 100%, 40%
HSV	184°, 100%, 80%
XYZ	29.3125, 41.1865, 63.5316
YIQ	134.7860, -117.7340, -35.9260

Conversions

Conversions Part 2

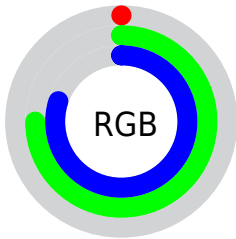
Format	Color
RYB	0, 98, 204
Decimal	48844
CIELab	70.31, -34.20, -18.32
CIELCh	70, 38.797, 208.178
Yxy	41.1865, 0.2187, 0.3073
Android (android.graphics.Color)	4278238924 (0xFF00BECC)
YUV	134.7860, 34.1225, -118.2073
Hunter-Lab	64.1767, -30.7800, -13.7703

Details

The XYZ color **29.3125, 41.1865, 63.5316** 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 **25.0600, 13.1529, 1.2192**, and the grayscale version is **22.8641, 24.0548, 26.1957**.

A 20% lighter version of the original color is **57.0197, 76.6846, 106.4041**, and **14.3092, 19.8103, 31.9238** is the 20% darker color. If you saturate the color by 10%, you get **29.3126, 41.1864, 63.5324**, and if you desaturate by 10%, it is **29.9156, 41.9506, 63.6481**.

Distribution



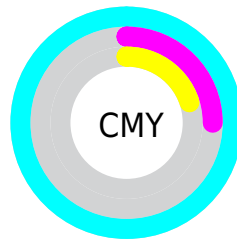
- Red (0%)
- Green (75%)
- Blue (80%)



- Red (0%)
- Yellow (38%)
- Blue (80%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3125, 41.1865, 63.5316 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 29.3125, 41.1865, 63.5316 by changing the saturation by 10% instead.

■ 29.3125, 41.1865,
63.5316

■ 29.3125, 41.1865,
63.5316

290.6542,
351.0995, 455.6571

■ 19.4628, 28.4648,
45.8276

■ 57.9673, 76.9669,
111.5291

■ 12.1112, 18.6764,
31.7622

■ 77.5032, 100.7945,
142.6596

■ 6.8922, 11.4367,
20.9166

■ 100.9985,
129.0928, 179.1028

■ 3.4405, 6.3613,
12.8724

■ 128.8187,
162.2463, 221.2772

■ 1.3908, 3.0660,
7.2110

■ 161.3289,
200.6393, 269.6013

■ 0.2496, 1.1663,
3.5140

198.8947,

■ 0.0000, 0.0339,

244.6562, 324.4936

1.3627

241.8814,
294.6815, 386.3727

■ 0.0000, 0.0000,
0.1124

■ 0.0000, 0.0000,
0.0000

■ 29.3125, 41.1865,
63.5316

■ 29.3125, 41.1865,
63.5316

■ 29.3126, 41.1864,
63.5324

■ 29.9156, 41.9506,
63.6481

■ 30.8339, 42.8808,
63.7792

■ 32.1758, 44.0336,
63.9310

■ 33.9986, 45.4387,
64.1062

■ 36.3508, 47.1212,
64.3069

■ 39.2749, 49.1028,
64.5353

■ 42.8090, 51.4032,
64.7931

■ 46.9880, 54.0406,
65.0819

■ 51.8441, 57.0314,
65.4032

Harmonies

Analogous

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



28.1367, 41.1865, 43.7392



29.3125, 41.1865, 63.5316



33.0372, 41.1865, 81.7393

Triad

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



29.3125, 41.1865, 63.5316



50.5027, 41.1865, 65.9992



39.5372, 41.1865, 18.1289

Complementary

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



29.3125, 41.1865, 63.5316



25.0600, 13.1529, 1.2192

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.



45.9661, 41.1865, 21.1561



29.3125, 41.1865, 63.5316



52.7083, 41.1865, 45.9695

Square

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



29.3125, 41.1865, 63.5316



45.2195, 41.1865, 83.4146



50.9655, 41.1865, 30.2371



33.6432, 41.1865, 20.4874

Rectangle

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



29.3125, 41.1865, 63.5316



36.6906, 41.1865, 88.6840



50.9655, 41.1865, 30.2371



41.7097, 41.1865, 18.5288

Sweetspot

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



29.3138, 41.1880, 63.5326



70.6328, 84.9598, 107.2839



21.6706, 43.2174, 7.6024



14.5600, 17.8244, 22.9230



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.



29.3138, 41.1880, 63.5326



48.4786, 68.0771, 105.1929



14.4246, 11.4095, 58.5695



11.4748, 12.5900, 14.3957



18.4774, 25.9788, 39.9968



0.9735, 1.3807, 2.0701

Inverse Universe

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



34.1972, 16.5563, 50.1100



56.5989, 27.4036, 82.8091



31.1041, 25.2410, 3.2339



11.6530, 11.3899, 13.9734



21.5374, 10.4256, 31.6125



1.1213, 0.5419, 1.6847

Previews

White Background



This preview shows how the XYZ color 29.3125, 41.1865, 63.5316 looks on a white background.

Color Contrast Check

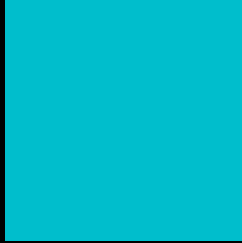
Large Text (above 18pt) WCAG AA × Fail

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 29.3125, 41.1865, 63.5316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

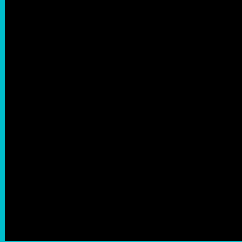
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

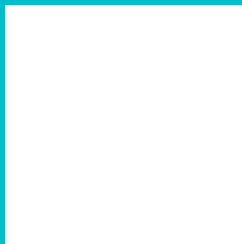
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3125, 41.1865, 63.5316

Background



This preview shows how black text looks on a background with the XYZ color 29.3125, 41.1865, 63.5316.



This preview shows how white text looks on a background with the XYZ color 29.3125, 41.1865,

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

29.3125, 41.1865, 63.5316

Protanopia

39.7404, 40.4624, 55.0057

Deuteranopia

41.4758, 40.5657, 65.9656



Tritanopia

29.5845, 41.3129, 64.1725

Trichromacy



Original Color

29.3125, 41.1865, 63.5316

Protanomaly

31.7494, 38.5556, 57.9932

Deuteranomaly

32.6559, 38.2907, 64.7012

Tritanomaly

29.5330, 41.2863, 64.1701

Monochromacy



Original Color

29.3125, 41.1865, 63.5316

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.9043, 27.9592, 37.4999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3125, 41.1865, 63.5316 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 204) }
```

Border

The CSS property to change the border of an element to XYZ 29.3125, 41.1865, 63.5316 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, 204) }
```


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

```
.border{ border-color:rgb(0, 190, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3125, 41.1865, 63.5316 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, 204) }
```

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

```
.background{ background-color: rgb(0, 190,  
204) }
```

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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