

Converting Colors

XYZ(23.5656, 38.1084, 64.3413)

Have a look what the booklet for
XYZ(23.5656, 38.1084, 64.3413)
contains.

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Color

**XYZ(29.5540, 41.2831,
64.8033)**

Conversions

Conversions Part 1

Format	Color
Hex	00BECE
RGB	0, 190, 206
RGB Percent	0%, 75%, 81%
CMY	0.9998, 0.2549, 0.1922
CMYK	1.00, 0.08, 0.00, 0.19
HSL	185°, 100%, 40%
HSV	185°, 100%, 81%
XYZ	29.5540, 41.2831, 64.8033
YIQ	135.0140, -118.3760, -35.3040

Conversions

Conversions Part 2

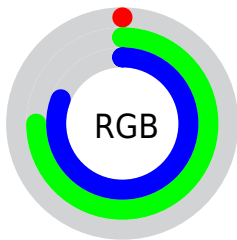
Format	Color
RYB	0, 99, 206
Decimal	48846
CIELab	70.37, -33.56, -19.31
CIELCh	70, 38.723, 209.915
Yxy	41.2831, 0.2179, 0.3044
Android (android.graphics.Color)	4278238926 (0xFF00BECE)
YUV	135.0140, 34.9961, -118.4073
Hunter-Lab	64.2519, -30.3361, -14.8224

Details

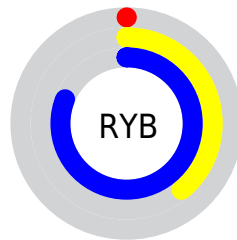
The XYZ color **29.5540, 41.2831, 64.8033** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **25.6401, 13.4940, 1.2545**, and the grayscale version is **22.9456, 24.1405, 26.2891**.

A 20% lighter version of the original color is **57.1365, 76.7448, 106.4096**, and **14.4717, 19.8753, 32.7793** is the 20% darker color. If you saturate the color by 10%, you get **29.5540, 41.2828, 64.8040**, and if you desaturate by 10%, it is **30.2051, 42.1369, 64.9346**.

Distribution



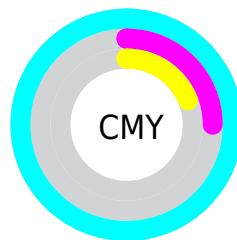
- Red (0%)
- Green (75%)
- Blue (81%)



- Red (0%)
- Yellow (39%)
- Blue (81%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (25%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5540, 41.2831, 64.8033 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 29.5540, 41.2831, 64.8033 by changing the saturation by 10% instead.

■ 29.5540, 41.2831,
64.8033

■ 29.5540, 41.2831,
64.8033

291.7673,
351.5024, 460.3716

■ 19.6467, 28.5404,
46.8513

■ 58.3476, 77.1135,
113.3776

■ 12.2453, 18.7334,
32.5646

■ 77.9646, 100.9699,
144.8369

■ 6.9843, 11.4778,
21.5247

■ 101.5490,
129.2996, 181.6358

■ 3.4985, 6.3892,
13.3131

■ 129.4659,
162.4871, 224.1927

■ 1.4226, 3.0831,
7.5113

■ 162.0809,
200.9168, 272.9262

■ 0.2722, 1.1753,
3.7006

199.7592,

■ 0.0000, 0.0414,

244.9729, 328.2548

1.4626

242.8662,
295.0400, 390.5971

■ 0.0000, 0.0000,
0.1898

■ 0.0000, 0.0000,
0.0000

■ 29.5540, 41.2831,
64.8033

■ 29.5540, 41.2831,
64.8033

■ 29.5540, 41.2828,
64.8040

■ 30.2051, 42.1369,
64.9346

■ 31.1799, 43.1625,
65.0812

■ 32.5887, 44.4175,
65.2491

■ 34.4904, 45.9323,
65.4413

■ 36.9345, 47.7324,
65.6599

■ 39.9645, 49.8404,
65.9071

■ 43.6197, 52.2763,
66.1846

■ 47.9357, 55.0587,
66.4942

■ 52.9454, 58.2045,
66.8374

Harmonies

Analogous

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



28.2241, 41.2831, 44.8983



29.5540, 41.2831, 64.8033



33.4153, 41.2831, 82.6297

Triad

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



29.5540, 41.2831, 64.8033



50.8146, 41.2831, 64.9184



39.2565, 41.2831, 18.2130

Complementary

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



29.5540, 41.2831, 64.8033



25.6401, 13.4940, 1.2545

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.



45.7014, 41.2831, 20.9240



29.5540, 41.2831, 64.8033



52.7995, 41.2831, 45.0023

Square

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



29.5540, 41.2831, 64.8033



45.6666, 41.2831, 82.7078



50.8362, 41.2831, 29.6327



33.4436, 41.2831, 20.8928

Rectangle

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



29.5540, 41.2831, 64.8033



37.1332, 41.2831, 89.0656



50.8362, 41.2831, 29.6327



41.4216, 41.2831, 18.5113

Sweetspot

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



29.5553, 41.2846, 64.8043



70.4185, 84.5311, 107.2124



22.1499, 44.1746, 7.7667



14.5079, 17.7202, 22.9056



0.0000, 0.0000, 0.0000



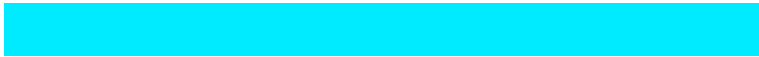
20.3446, 21.4041, 23.3091

Same Dimension

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



29.5553, 41.2846, 64.8043



47.8132, 66.7464, 104.9711



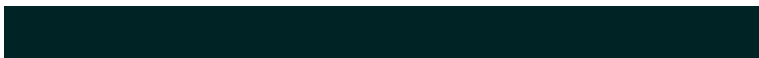
14.7381, 11.6502, 59.8652



11.4658, 12.5721, 14.3927



18.2307, 25.4854, 39.9146



0.9632, 1.3601, 2.0667

Inverse Universe

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



34.7490, 16.8408, 50.1358



56.2631, 27.2692, 81.0405



31.7868, 25.7874, 3.3034



11.6485, 11.3881, 13.9495



21.4129, 10.3758, 30.9568



1.1161, 0.5398, 1.6573

Previews

White Background



This preview shows how the XYZ color 29.5540, 41.2831, 64.8033 looks on a white background.

Color Contrast Check

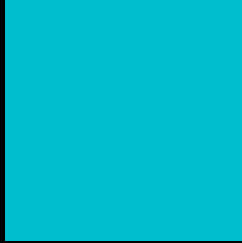
Large Text (above 18pt) WCAG AA × Fail

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 29.5540, 41.2831, 64.8033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

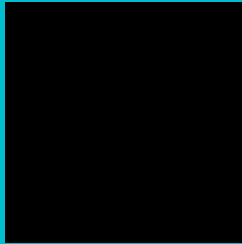
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

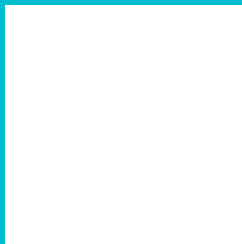
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5540, 41.2831, 64.8033

Background



This preview shows how black text looks on a background with the XYZ color 29.5540, 41.2831, 64.8033.

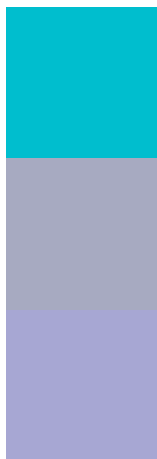


This preview shows how white text looks on a background with the XYZ color 29.5540, 41.2831,

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

29.5540, 41.2831, 64.8033

Protanopia

39.9367, 40.8152, 56.2253

Deuteranopia

41.5129, 40.5561, 67.2682



Tritanopia

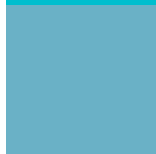
29.5540, 41.2831, 64.8033

Trichromacy



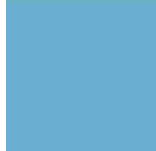
Original Color

29.5540, 41.2831, 64.8033



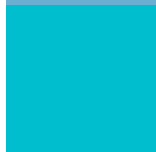
Protanomaly

31.8590, 38.5857, 59.1947



Deuteranomaly

32.7825, 38.3276, 65.9917



Tritanomaly

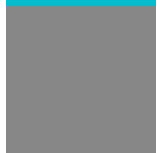
29.5540, 41.2831, 64.8033

Monochromacy



Original Color

29.5540, 41.2831, 64.8033



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.9921, 27.9943, 37.9626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5540, 41.2831, 64.8033 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 206) }
```

Border

The CSS property to change the border of an element to XYZ 29.5540, 41.2831, 64.8033 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, 206) }
```


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

```
.border{ border-color:rgb(0, 190, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 190, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 190, 206); box-shadow:4px 4px 4px 4px rgb(0, 190, 206) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5540, 41.2831, 64.8033 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, 206) }
```

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

```
.background{ background-color: rgb(0, 190,  
206) }
```

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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