

Converting Colors

XYZ(20.2464, 37.3948, 60.3558)

Have a look what the booklet for
XYZ(20.2464, 37.3948, 60.3558)
contains.

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Color

**XYZ(29.3788, 42.2634,
60.6421)**

Conversions

Conversions Part 1

Format	Color
Hex	00C1C7
RGB	0, 193, 199
RGB Percent	0%, 76%, 78%
CMY	0.9998, 0.2431, 0.2196
CMYK	1.00, 0.03, 0.00, 0.22
HSL	182°, 100%, 39%
HSV	182°, 100%, 78%
XYZ	29.3788, 42.2634, 60.6421
YIQ	135.9770, -116.9540, -39.0500

Conversions

Conversions Part 2

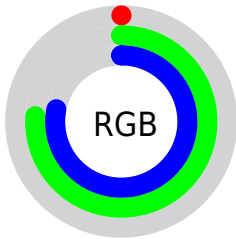
Format	Color
RYB	0, 98, 199
Decimal	49607
CIELab	71.05, -37.16, -14.46
CIELCh	71, 39.873, 201.265
Yxy	42.2634, 0.2221, 0.3195
Android (android.graphics.Color)	4278239687 (0xFF00C1C7)
YUV	135.9770, 31.0703, -119.2518
Hunter-Lab	65.0103, -33.1021, -9.7989

Details

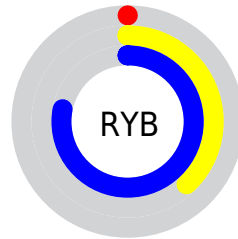
The XYZ color **29.3788, 42.2634, 60.6421** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **23.6195, 12.2737, 1.1256**, and the grayscale version is **23.3178, 24.5321, 26.7155**.

A 20% lighter version of the original color is **57.9445, 78.5343, 106.7124**, and **14.3435, 20.5096, 29.9908** is the 20% darker color. If you saturate the color by 10%, you get **29.3792, 42.2640, 60.6430**, and if you desaturate by 10%, it is **29.7999, 42.6787, 60.7009**.

Distribution



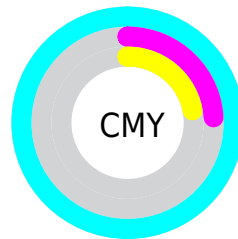
- Red (0%)
- Green (76%)
- Blue (78%)



- Red (0%)
- Yellow (38%)
- Blue (78%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (24%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3788, 42.2634, 60.6421 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 29.3788, 42.2634, 60.6421 by changing the saturation by 10% instead.

■ 29.3788, 42.2634,
60.6421

■ 29.3788, 42.2634,
60.6421

290.9601,
355.5737, 444.8307

■ 19.5133, 29.3076,
43.5077

■ 58.0718, 78.5981,
107.3130

■ 12.1479, 19.3136,
29.9493

■ 77.6300, 102.7458,
137.6867

■ 6.9174, 11.8971,
19.5484

■ 101.1498,
131.3929, 173.3104

■ 3.4564, 6.6737,
11.8864

■ 128.9965,
164.9239, 214.6029

■ 1.3995, 3.2589,
6.5448

■ 161.5355,
203.7230, 261.9826

■ 0.2558, 1.2683,
3.1050

199.1323,

■ 0.0000, 0.1165,

248.1748, 315.8682

1.1485

242.1520,
298.6635, 376.6780

■ 0.0000, 0.0000,
0.0000

■ 29.3788, 42.2634,
60.6421

■ 29.3788, 42.2634,
60.6421

■ 29.3792, 42.2640,
60.6430

■ 29.7999, 42.6787,
60.7009

■ 30.5151, 43.2455,
60.7726

■ 31.6283, 44.0183,
60.8631

■ 33.1932, 45.0248,
60.9748

■ 35.2554, 46.2884,
61.1101

■ 37.8548, 47.8298,
61.2706

■ 41.0273, 49.6674,
61.4581

■ 44.8057, 51.8182,
61.6741

■ 49.2204, 54.2978,
61.9200

Harmonies

Analogous

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



28.7955, 42.2634, 40.6697



29.3788, 42.2634, 60.6421



32.6781, 42.2634, 80.9646

Triad

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



29.3788, 42.2634, 60.6421



51.0104, 42.2634, 72.9923



42.1464, 42.2634, 18.4530

Complementary

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



29.3788, 42.2634, 60.6421



23.6195, 12.2737, 1.1256

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.



48.7277, 42.2634, 22.9280



29.3788, 42.2634, 60.6421



54.2036, 42.2634, 51.8150

Square

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



29.3788, 42.2634, 60.6421



44.9959, 42.2634, 89.3561



53.3251, 42.2634, 33.9565



35.7022, 42.2634, 19.6027

Rectangle

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



29.3788, 42.2634, 60.6421



36.1957, 42.2634, 90.2210



53.3251, 42.2634, 33.9565



44.4252, 42.2634, 19.2907

Sweetspot

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



29.3801, 42.2650, 60.6431



71.5536, 86.8013, 107.5908



20.4428, 40.8552, 6.9050



14.7841, 18.2727, 22.9977



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.



29.3801, 42.2650, 60.6431



51.4060, 73.9320, 106.1687



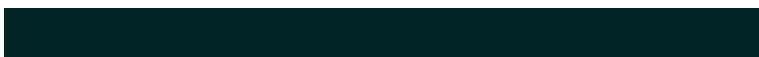
14.5116, 12.5279, 55.6869



10.9182, 12.0106, 13.6603



18.9033, 27.2006, 38.9983



0.9039, 1.3056, 1.8495

Inverse Universe

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



33.1800, 15.9937, 51.7919



58.0766, 27.9946, 90.5902



28.3883, 21.8113, 2.7152



11.0688, 10.8109, 13.3454



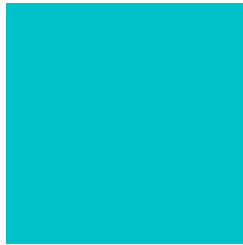
21.3409, 10.2859, 33.3345



1.0149, 0.4888, 1.6018

Previews

White Background



This preview shows how the XYZ color 29.3788, 42.2634, 60.6421 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 29.3788, 42.2634, 60.6421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

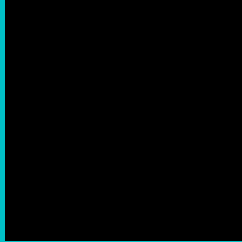
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

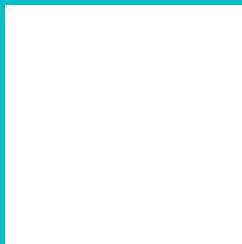
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3788, 42.2634, 60.6421

Background



This preview shows how black text looks on a background with the XYZ color 29.3788, 42.2634, 60.6421.

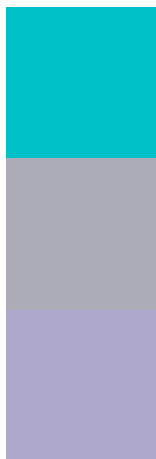


This preview shows how white text looks on a background with the XYZ color 29.3788, 42.2634,

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

29.3788, 42.2634, 60.6421

Protanopia

40.5227, 41.7785, 51.8272

Deuteranopia

42.5426, 41.7342, 62.9400



Tritanopia

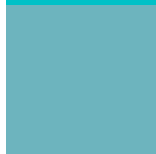
30.5910, 42.4511, 65.6131

Trichromacy



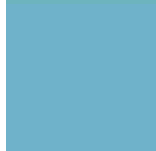
Original Color

29.3788, 42.2634, 60.6421



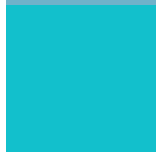
Protanomaly

31.9222, 39.6114, 54.6785



Deuteranomaly

33.1366, 39.4846, 61.7519



Tritanomaly

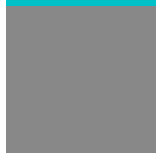
29.9982, 42.1875, 63.6887

Monochromacy



Original Color

29.3788, 42.2634, 60.6421



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

22.2455, 28.6434, 37.1572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3788, 42.2634, 60.6421 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, 193, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 199)  
}
```

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, 193, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 199) }
```

Border

The CSS property to change the border of an element to XYZ 29.3788, 42.2634, 60.6421 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, 193, 199) }
```


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

```
.border{ border-color:rgb(0, 193, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 193, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3788, 42.2634, 60.6421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 199) }
```

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

```
.background{ background-color: rgb(0, 193,  
199) }
```

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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