

Converting Colors

XYZ(18.3613, 36.9805, 61.9726)

Have a look what the booklet for
XYZ(18.3613, 36.9805, 61.9726)
contains.

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Color

**XYZ(29.9525, 42.8478,
62.5689)**

Conversions

Conversions Part 1

Format	Color
Hex	00C2CA
RGB	0, 194, 202
RGB Percent	0%, 76%, 79%
CMY	0.9998, 0.2392, 0.2078
CMYK	1.00, 0.04, 0.00, 0.21
HSL	182°, 100%, 40%
HSV	182°, 100%, 79%
XYZ	29.9525, 42.8478, 62.5689
YIQ	136.9060, -118.1920, -38.6400

Conversions

Conversions Part 2

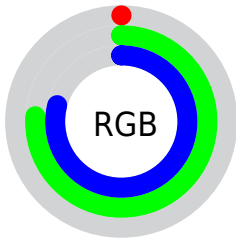
Format	Color
RYB	0, 99, 202
Decimal	49866
CIELab	71.45, -36.69, -15.50
CIELCh	71, 39.832, 202.897
Yxy	42.8478, 0.2213, 0.3165
Android (android.graphics.Color)	4278239946 (0xFF00C2CA)
YUV	136.9060, 32.0913, -120.0666
Hunter-Lab	65.4582, -32.8735, -10.8522

Details

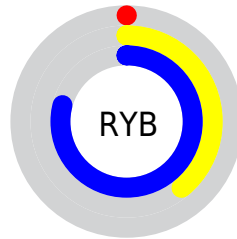
The XYZ color **29.9525, 42.8478, 62.5689** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **24.4451, 12.7316, 1.1705**, and the grayscale version is **23.6633, 24.8956, 27.1114**.

A 20% lighter version of the original color is **58.3729, 79.2176, 106.8217**, and **14.7234, 20.8943, 31.2740** is the 20% darker color. If you saturate the color by 10%, you get **29.9527, 42.8481, 62.5698**, and if you desaturate by 10%, it is **30.4254, 43.3575, 62.6432**.

Distribution



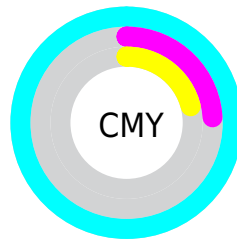
- Red (0%)
- Green (76%)
- Blue (79%)



- Red (0%)
- Yellow (39%)
- Blue (79%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (24%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9525, 42.8478, 62.5689 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 29.9525, 42.8478, 62.5689 by changing the saturation by 10% instead.

■ 29.9525, 42.8478,
62.5689

■ 29.9525, 42.8478,
62.5689

293.5968,
357.9855, 452.0680

■ 19.9504, 29.7657,
45.0538

■ 58.9742, 79.4811,
110.1269

■ 12.4671, 19.6608,
31.1565

■ 78.7245, 103.8012,
141.0068

■ 7.1371, 12.1487,
20.4586

■ 102.4550,
132.6360, 177.1788

■ 3.5951, 6.8451,
12.5415

■ 130.5310,
166.3700, 219.0614

■ 1.4757, 3.3654,
6.9866

■ 163.3178,
205.3875, 267.0730

■ 0.3092, 1.3253,
3.3754

201.1808,

■ 0.0000, 0.1607,

250.0730, 321.6323

1.2894

244.4853,
300.8109, 383.1578

■ 0.0000, 0.0000,
0.0530

■ 0.0000, 0.0000,
0.0000

■ 29.9525, 42.8478,
62.5689

■ 29.9525, 42.8478,
62.5689

■ 29.9527, 42.8481,
62.5698

■ 30.4254, 43.3575,
62.6432

■ 31.2040, 44.0254,
62.7310

■ 32.3949, 44.9072,
62.8385

■ 34.0539, 46.0319,
62.9681

■ 36.2283, 47.4236,
63.1222

■ 38.9596, 49.1038,
63.3025

■ 42.2850, 51.0918,
63.5110

■ 46.2385, 53.4050,
63.7491

■ 50.8516, 56.0597,
64.0183

Harmonies

Analogous

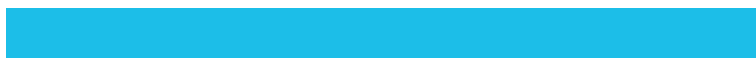
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.2106, 42.8478, 42.2294



29.9525, 42.8478, 62.5689



33.4232, 42.8478, 82.7925

Triad

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



29.9525, 42.8478, 62.5689



51.9144, 42.8478, 72.7026



42.3430, 42.8478, 18.7411

Complementary

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



29.9525, 42.8478, 62.5689



24.4451, 12.7316, 1.1705

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.



49.0209, 42.8478, 22.9417



29.9525, 42.8478, 62.5689



54.9273, 42.8478, 51.3773

Square

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



29.9525, 42.8478, 62.5689



45.9580, 42.8478, 89.6769



53.8141, 42.8478, 33.6962



35.9062, 42.8478, 20.2094

Rectangle

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



29.9525, 42.8478, 62.5689



37.0454, 42.8478, 91.6673



53.8141, 42.8478, 33.6962



44.6417, 42.8478, 19.4865

Sweetspot

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



29.9538, 42.8494, 62.5699



71.3260, 86.3462, 107.5149



21.1586, 42.2569, 7.2360



14.7287, 18.1618, 22.9793



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.



29.9538, 42.8494, 62.5699



50.6722, 72.4643, 105.9241



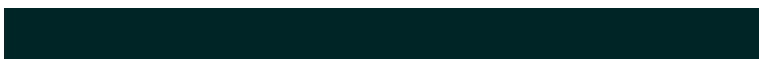
14.6905, 12.3226, 57.4822



11.5037, 12.6479, 14.4053



19.2900, 27.6040, 40.2677



1.0073, 1.4483, 2.0814

Inverse Universe

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



34.0959, 16.4530, 52.4191



57.7062, 27.8465, 88.6397



29.6949, 23.2311, 2.9204



11.6676, 11.3958, 14.0502



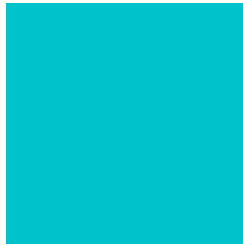
21.9476, 10.5896, 33.7724



1.1384, 0.5488, 1.7744

Previews

White Background



This preview shows how the XYZ color 29.9525, 42.8478, 62.5689 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 29.9525, 42.8478, 62.5689 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

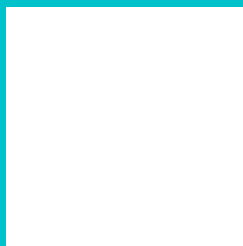
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9525, 42.8478, 62.5689

Background



This preview shows how black text looks on a background with the XYZ color 29.9525, 42.8478, 62.5689.



This preview shows how white text looks on a background with the XYZ color 29.9525, 42.8478,

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

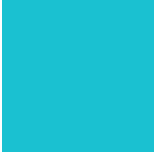
29.9525, 42.8478, 62.5689

Protanopia

41.2543, 42.4022, 53.5871

Deuteranopia

43.0928, 42.2531, 64.9159



Tritanopia

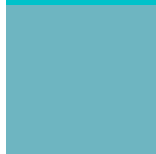
31.0046, 42.9630, 66.9802

Trichromacy



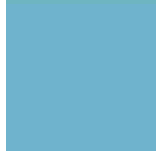
Original Color

29.9525, 42.8478, 62.5689



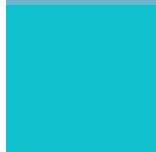
Protanomaly

32.5799, 40.2130, 56.4968



Deuteranomaly

33.6951, 40.0275, 63.7078



Tritanomaly

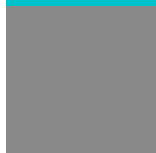
30.4417, 42.7153, 65.0330

Monochromacy



Original Color

29.9525, 42.8478, 62.5689



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.5904, 29.0532, 38.1354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9525, 42.8478, 62.5689 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, 194, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 202)  
}
```

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, 194, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 202) }
```

Border

The CSS property to change the border of an element to XYZ 29.9525, 42.8478, 62.5689 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, 194, 202) }
```


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

```
.border{ border-color:rgb(0, 194, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9525, 42.8478, 62.5689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 202) }
```

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

```
.background{ background-color: rgb(0, 194,  
202) }
```

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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