

Converting Colors

XYZ(9.5287, 30.4969, 65.2523)

Have a look what the booklet for
XYZ(9.5287, 30.4969, 65.2523)
contains.

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Color

**XYZ(29.5828, 40.9493,
66.0193)**

Conversions

Conversions Part 1

Format	Color
Hex	00BDD0
RGB	0, 189, 208
RGB Percent	0%, 74%, 82%
CMY	0.9998, 0.2588, 0.1843
CMYK	1.00, 0.09, 0.00, 0.18
HSL	185°, 100%, 41%
HSV	185°, 100%, 82%
XYZ	29.5828, 40.9493, 66.0193
YIQ	134.6550, -118.7430, -34.1590

Conversions

Conversions Part 2

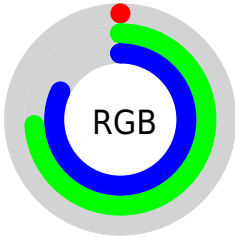
Format	Color
RYB	0, 99, 208
Decimal	48592
CIELab	70.14, -32.45, -20.76
CIELCh	70, 38.521, 212.611
Yxy	40.9493, 0.2166, 0.2999
Android (android.graphics.Color)	4278238672 (0xFF00BDD0)
YUV	134.6550, 36.1591, -118.0924
Hunter-Lab	63.9916, -29.4663, -16.3745

Details

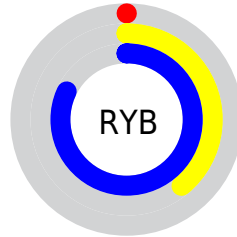
The XYZ color **29.5828, 40.9493, 66.0193** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **26.2467, 13.8776, 1.2967**, and the grayscale version is **22.8095, 23.9973, 26.1331**.

A 20% lighter version of the original color is **56.8315, 76.1348, 106.3079**, and **14.4967, 19.6610, 33.6028** is the 20% darker color. If you saturate the color by 10%, you get **29.5825, 40.9485, 66.0199**, and if you desaturate by 10%, it is **30.3011, 41.9312, 66.1718**.

Distribution



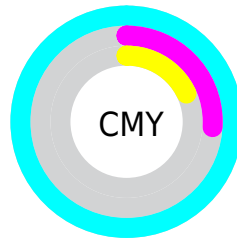
- Red (0%)
- Green (74%)
- Blue (82%)



- Red (0%)
- Yellow (39%)
- Blue (82%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (26%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5828, 40.9493, 66.0193 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 29.5828, 40.9493, 66.0193 by changing the saturation by 10% instead.

■ 29.5828, 40.9493,
66.0193

■ 29.5828, 40.9493,
66.0193

291.8998,
350.1087, 464.8520

■ 19.6686, 28.2795,
47.8315

■ 58.3929, 76.6069,
115.1413

■ 12.2613, 18.5364,
33.3344

■ 78.0196, 100.3635,
146.9126

■ 6.9953, 11.3358,
22.1095

■ 101.6145,
128.5845, 184.0487

■ 3.5055, 6.2932,
13.7383

■ 129.5430,
161.6542, 226.9683

■ 1.4264, 3.0242,
7.8022

■ 162.1704,
199.9571, 276.0899

■ 0.2749, 1.1444,
3.8827

199.8621,

■ 0.0000, 0.0155,

243.8775, 331.8321

1.5612

242.9834,
293.7999, 394.6132

■ 0.0000, 0.0000,
0.2629

■ 0.0000, 0.0000,
0.0000

■ 29.5828, 40.9493,
66.0193

■ 29.5828, 40.9493,
66.0193

■ 29.5825, 40.9485,
66.0199

■ 30.3011, 41.9312,
66.1718

■ 31.3524, 43.0920,
66.3404

■ 32.8491, 44.4904,
66.5314

■ 34.8512, 46.1574,
66.7477

■ 37.4097, 48.1193,
66.9915

■ 40.5691, 50.3991,
67.2650

■ 44.3696, 53.0175,
67.5701

■ 48.8477, 55.9933,
67.9085

■ 54.0371, 59.3441,
68.2818

Harmonies

Analogous

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



28.0307, 40.9493, 46.1860



29.5828, 40.9493, 66.0193



33.6101, 40.9493, 83.0294

Triad

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



29.5828, 40.9493, 66.0193



50.6982, 40.9493, 62.5266



38.3718, 40.9493, 18.1338

Complementary

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



29.5828, 40.9493, 66.0193



26.2467, 13.8776, 1.2967

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.



44.7640, 40.9493, 20.3322



29.5828, 40.9493, 66.0193



52.3198, 40.9493, 43.0250

Square

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



29.5828, 40.9493, 66.0193



45.8214, 40.9493, 80.6601



50.0428, 40.9493, 28.3814



32.7508, 40.9493, 21.2829

Rectangle

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



29.5828, 40.9493, 66.0193



37.3839, 40.9493, 88.5999



50.0428, 40.9493, 28.3814



40.4999, 40.9493, 18.2726

Sweetspot

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



29.5841, 40.9508, 66.0203



70.0958, 83.8857, 107.1049



22.6610, 45.1543, 8.0673



14.4295, 17.5634, 22.8795



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.



29.5841, 40.9508, 66.0203



46.8231, 64.7662, 104.6410



14.7696, 11.3218, 61.0821



12.0622, 13.2147, 15.1586



18.4747, 25.5959, 41.1593



1.0606, 1.4864, 2.3106

Inverse Universe

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



35.1989, 17.0854, 49.5882



55.7633, 27.0693, 78.4088



32.8936, 27.1714, 3.5124



12.2623, 11.9897, 14.6570



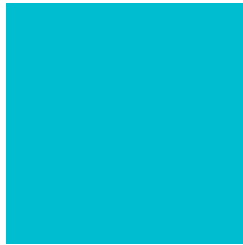
21.9559, 10.6552, 31.0035



1.2416, 0.6013, 1.8069

Previews

White Background



This preview shows how the XYZ color 29.5828, 40.9493, 66.0193 looks on a white background.

Color Contrast Check

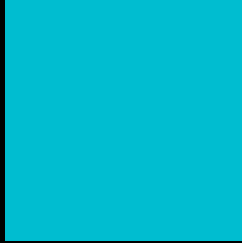
Large Text (above 18pt) WCAG AA × Fail

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 29.5828, 40.9493, 66.0193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

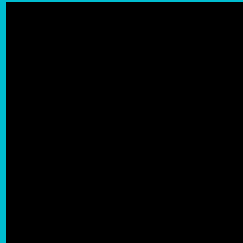
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.5828, 40.9493, 66.0193

Background



This preview shows how black text looks on a background with the XYZ color 29.5828, 40.9493, 66.0193.



This preview shows how white text looks on a background with the XYZ color 29.5828, 40.9493,

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

29.5828, 40.9493, 66.0193

Protanopia

39.7642, 40.4231, 57.3364

Deuteranopia

41.3460, 40.4409, 68.5775



Tritanopia

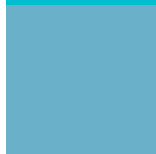
29.2170, 40.8030, 64.0935

Trichromacy



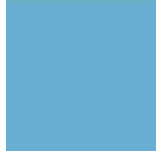
Original Color

29.5828, 40.9493, 66.0193



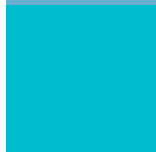
Protanomaly

31.8945, 38.2850, 60.3523



Deuteranomaly

32.9135, 38.3664, 67.2987



Tritanomaly

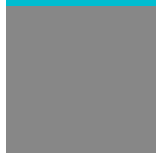
29.3382, 40.8514, 64.7313

Monochromacy



Original Color

29.5828, 40.9493, 66.0193



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

22.0807, 28.0298, 38.4289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5828, 40.9493, 66.0193 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, 189, 208)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 208)  
}
```

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, 189, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 208) }
```

Border

The CSS property to change the border of an element to XYZ 29.5828, 40.9493, 66.0193 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, 189, 208) }
```


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

```
.border{ border-color:rgb(0, 189, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 189, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 189, 208); box-shadow:4px 4px 4px 4px rgb(0, 189, 208) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5828, 40.9493, 66.0193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 208) }
```

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

```
.background{ background-color: rgb(0, 189,  
208) }
```

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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