

Converting Colors

XYZ(29.8639, 41.7795, 64.2479)

Have a look what the booklet for XYZ(29.8639, 41.7795, 64.2479) contains.

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Color

**XYZ(29.8639, 41.7795,
64.2479)**

Conversions

Conversions Part 1

Format	Color
Hex	10BFCD
RGB	16, 191, 205
RGB Percent	6%, 75%, 80%
CMY	0.9371, 0.2510, 0.1961
CMYK	0.92, 0.07, 0.00, 0.20
HSL	184°, 85%, 43%
HSV	184°, 92%, 80%
XYZ	29.8639, 41.7795, 64.2479
YIQ	140.2710, -108.7940, -32.7460

Conversions

Conversions Part 2

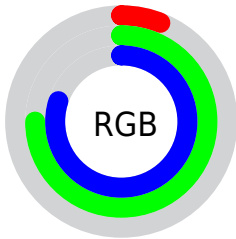
Format	Color
RYB	16, 107, 205
Decimal	1097677
CIELab	70.72, -33.87, -18.24
CIELCh	71, 38.467, 208.297
Yxy	41.7795, 0.2198, 0.3074
Android (android.graphics.Color)	4279287757 (0xFF10BFCD)
YUV	140.2710, 31.9114, -108.9857
Hunter-Lab	64.6371, -30.6435, -13.6871

Details

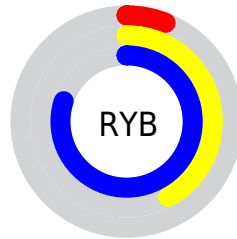
The XYZ color **29.8639, 41.7795, 64.2479** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **25.7360, 13.9470, 1.8271**, and the grayscale version is **24.9469, 26.2461, 28.5820**.

A 20% lighter version of the original color is **57.6808, 77.4806, 106.5229**, and **14.5316, 20.1257, 32.3969** is the 20% darker color. If you saturate the color by 10%, you get **29.3930, 41.1546, 64.1529**, and if you desaturate by 10%, it is **30.7302, 42.7212, 64.3848**.

Distribution



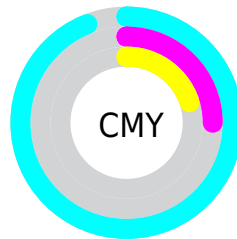
- Red (6%)
- Green (75%)
- Blue (80%)



- Red (6%)
- Yellow (42%)
- Blue (80%)



- Cyan (92%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)



- Cyan (94%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8639, 41.7795, 64.2479 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 29.8639, 41.7795, 64.2479 by changing the saturation by 10% instead.

■ 29.8639, 41.7795,
64.2479

■ 29.8639, 41.7795,
64.2479

293.1908,
353.5681, 458.3163

■ 19.8829, 28.9287,
46.4040

■ 58.8350, 77.8658,
112.5708

■ 12.4177, 19.0269,
32.2138

■ 78.5557, 101.8701,
143.8869

■ 7.1030, 11.6897,
21.2587

■ 102.2538,
130.3609, 180.5307

■ 3.5735, 6.5328,
13.1201

■ 130.2945,
163.7228, 222.9210

■ 1.4638, 3.1717,
7.3796

■ 163.0432,
202.3400, 271.4761

■ 0.3010, 1.2220,
3.6186

200.8652,

■ 0.0000, 0.0796,

246.5971, 326.6147

1.4185

244.1260,
296.8783, 388.7552

■ 0.0000, 0.0000,
0.1561

■ 0.0000, 0.0000,
0.0000

■ 29.8639, 41.7795,
64.2479

■ 29.8639, 41.7795,
64.2479

■ 29.3930, 41.1546,
64.1529

■ 30.7302, 42.7212,
64.3848

■ 32.0095, 43.8800,
64.5410

■ 33.7638, 45.2889,
64.7205

■ 36.0440, 46.9739,
64.9256

■ 38.8940, 48.9579,
65.1583

■ 42.3534, 51.2613,
65.4206

■ 46.4583, 53.9025,
65.7140

■ 51.2416, 56.8987,
66.0403

■ 56.7344, 60.2659,
66.4007

Harmonies

Analogous

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



28.6730, 41.7795, 44.4555



29.8639, 41.7795, 64.2479



33.6096, 41.7795, 82.3792

Triad

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



29.8639, 41.7795, 64.2479



51.0807, 41.7795, 66.5494



40.0755, 41.7795, 18.6465

Complementary

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



29.8639, 41.7795, 64.2479



25.7360, 13.9470, 1.8271

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.



46.5076, 41.7795, 21.6800



29.8639, 41.7795, 64.2479



53.2685, 41.7795, 46.5420

Square

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



29.8639, 41.7795, 64.2479



45.8101, 41.7795, 83.9388



51.5128, 41.7795, 30.7937



34.1773, 41.7795, 21.0497

Rectangle

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



29.8639, 41.7795, 64.2479



37.2750, 41.7795, 89.2618



51.5128, 41.7795, 30.7937



42.2491, 41.7795, 19.0435

Sweetspot

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



29.8652, 41.7810, 64.2489



71.8173, 85.5526, 107.3359



22.2631, 43.8606, 8.4311



14.7769, 17.9249, 22.9310



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.



29.8652, 41.7810, 64.2489



48.0771, 67.2741, 105.0590



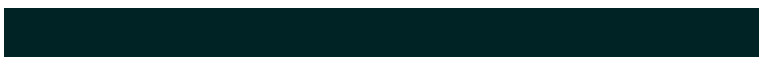
15.5940, 13.2385, 59.4918



11.4694, 12.5792, 14.3939



18.3285, 25.6811, 39.9472



0.9673, 1.3683, 2.0681

Inverse Universe

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



34.7672, 17.1126, 50.7623



56.3963, 27.3225, 81.7418



32.3682, 27.2113, 4.0378



11.6503, 11.3888, 13.9590



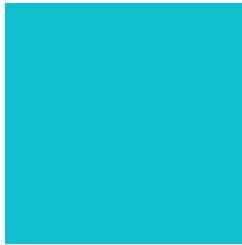
21.4623, 10.3955, 31.2168



1.1182, 0.5407, 1.6681

Previews

White Background



This preview shows how the XYZ color 29.8639, 41.7795, 64.2479 looks on a white background.

Color Contrast Check

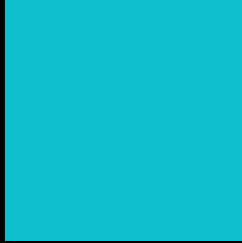
Large Text (above 18pt) WCAG AA × Fail

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 29.8639, 41.7795, 64.2479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

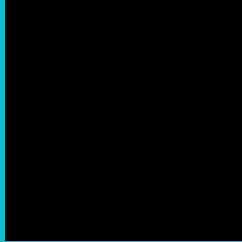
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

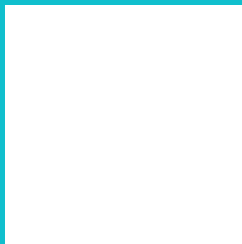
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8639, 41.7795, 64.2479

Background



This preview shows how black text looks on a background with the XYZ color 29.8639, 41.7795, 64.2479.



This preview shows how white text looks on a background with the XYZ color 29.8639, 41.7795,

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

29.8639, 41.7795, 64.2479

Protanopia

40.2513, 40.9902, 55.6596

Deuteranopia

41.9977, 41.0934, 66.6911



Tritanopia

30.0599, 41.8666, 64.8893

Trichromacy



Original Color

29.8639, 41.7795, 64.2479



Protanomaly

32.8085, 39.3827, 58.6958



Deuteranomaly

33.7206, 39.1154, 65.4473



Tritanomaly

30.0399, 41.8563, 64.8883

Monochromacy



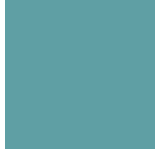
Original Color

29.8639, 41.7795, 64.2479



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.8183, 29.9095, 39.6397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8639, 41.7795, 64.2479 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(16, 191, 205)` looks like.

```
.text, #text, p{  
    color:rgb(16, 191, 205)  
}
```

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(16, 191, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 191, 205) }
```

Border

The CSS property to change the border of an element to XYZ 29.8639, 41.7795, 64.2479 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(16, 191, 205) }
```


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

```
.border{ border-color:rgb(16, 191, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 191, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 191, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 191, 205);  
box-shadow:4px 4px 4px 4px rgb(16, 191,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8639, 41.7795, 64.2479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 191, 205) }
```

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

```
.background{ background-color: rgb(16, 191,  
205) }
```

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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