

Converting Colors

XYZ(14.0329, 32.8861, 60.3318)

Have a look what the booklet for
XYZ(14.0329, 32.8861, 60.3318)
contains.

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Color

**XYZ(28.6229, 40.5653,
60.9649)**

Conversions

Conversions Part 1

Format	Color
Hex	00BDC8
RGB	0, 189, 200
RGB Percent	0%, 74%, 78%
CMY	0.9998, 0.2588, 0.2157
CMYK	1.00, 0.05, 0.00, 0.22
HSL	183°, 100%, 39%
HSV	183°, 100%, 78%
XYZ	28.6229, 40.5653, 60.9649
YIQ	133.7430, -116.1750, -36.6470

Conversions

Conversions Part 2

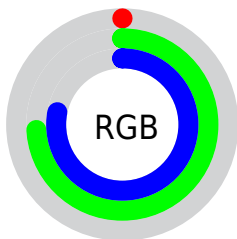
Format	Color
RYB	0, 97, 200
Decimal	48584
CIELab	69.87, -34.99, -16.79
CIELCh	70, 38.809, 205.636
Yxy	40.5653, 0.2199, 0.3117
Android (android.graphics.Color)	4278238664 (0xFF00BDC8)
YUV	133.7430, 32.6647, -117.2926
Hunter-Lab	63.6909, -31.2406, -12.1687

Details

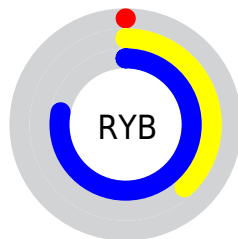
The XYZ color **28.6229, 40.5653, 60.9649** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **23.9401, 12.5199, 1.1560**, and the grayscale version is **22.4854, 23.6564, 25.7618**.

A 20% lighter version of the original color is **56.7147, 76.0746, 106.3024**, and **13.8523, 19.4033, 30.2092** is the 20% darker color. If you saturate the color by 10%, you get **28.6231, 40.5655, 60.9657**, and if you desaturate by 10%, it is **29.1505, 41.1908, 61.0586**.

Distribution



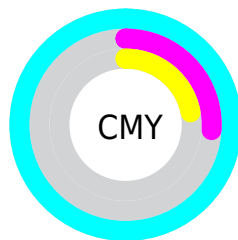
- Red (0%)
- Green (74%)
- Blue (78%)



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



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (26%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6229, 40.5653, 60.9649 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 28.6229, 40.5653, 60.9649 by changing the saturation by 10% instead.


 28.6229, 40.5653,
60.9649


 28.6229, 40.5653,
60.9649


287.4579,
348.5005, 446.0483


 18.9386, 27.9796,
43.7665


 56.8791, 76.0236,
107.7851


 11.7296, 18.3103,
30.1511


 76.1817, 99.6649,
138.2440

 6.6308, 11.1730,
19.7003


 99.4212, 127.7602,
173.9602

 3.2765, 6.1833,
11.9955

 126.9628,
160.6939, 215.3521

 1.3016, 2.9569,
6.6181

 159.1719,
198.8504, 262.8383

 0.1844, 1.1093,
3.1496

196.4139,

 0.0000, 0.0000,

242.6141, 316.8374

1.1715

239.0541,
292.3693, 377.7679

■ 0.0000, 0.0000,
0.0000

■ 28.6229, 40.5653,
60.9649

■ 28.6229, 40.5653,
60.9649

■ 28.6231, 40.5655,
60.9657

■ 29.1505, 41.1908,
61.0586

■ 29.9773, 41.9723,
61.1659

■ 31.2078, 42.9646,
61.2925

■ 32.8966, 44.1959,
61.4412

■ 35.0897, 45.6899,
61.6140

■ 37.8278, 47.4674,
61.8128

■ 41.1470, 49.5473,
62.0393

■ 45.0806, 51.9466,
62.2951

■ 49.6593, 54.6812,
62.5816

Harmonies

Analogous

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



27.6834, 40.5653, 41.5778



28.6229, 40.5653, 60.9649



32.1075, 40.5653, 79.4918

Triad

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



28.6229, 40.5653, 60.9649



49.4589, 40.5653, 66.8184



39.4864, 40.5653, 17.7989

Complementary

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



28.6229, 40.5653, 60.9649



23.9401, 12.5199, 1.1560

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.



45.8150, 40.5653, 21.2536



28.6229, 40.5653, 60.9649



51.9574, 40.5653, 46.8651

Square

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



28.6229, 40.5653, 60.9649



44.0449, 40.5653, 83.4672



50.5566, 40.5653, 30.7811



33.5434, 40.5653, 19.6714

Rectangle

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



28.6229, 40.5653, 60.9649



35.6248, 40.5653, 87.0845



50.5566, 40.5653, 30.7811



41.6439, 40.5653, 18.3418

Sweetspot

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



28.6242, 40.5668, 60.9659



70.9573, 85.6088, 107.3920



20.7101, 41.3314, 7.1746



14.6389, 17.9823, 22.9493



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.



28.6242, 40.5668, 60.9659



49.4975, 70.1151, 105.5325



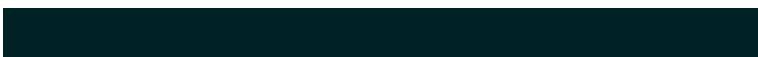
14.0842, 11.4868, 56.1192



10.8948, 11.9637, 13.6525



18.2213, 25.8365, 38.7709



0.8784, 1.2546, 1.8410

Inverse Universe

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



33.0058, 15.9547, 49.4856



57.1133, 27.6093, 85.5175



29.3981, 23.4358, 2.9753



11.0569, 10.8062, 13.2831



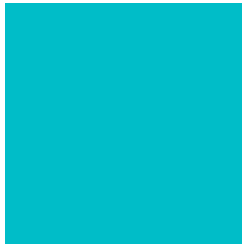
20.9966, 10.1482, 31.5216



1.0021, 0.4837, 1.5341

Previews

White Background



This preview shows how the XYZ color 28.6229, 40.5653, 60.9649 looks on a white background.

Color Contrast Check

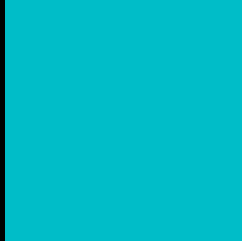
Large Text (above 18pt) WCAG AA × Fail

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 28.6229, 40.5653, 60.9649 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

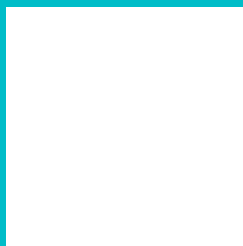
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6229, 40.5653, 60.9649

Background



This preview shows how black text looks on a background with the XYZ color 28.6229, 40.5653, 60.9649.



This preview shows how white text looks on a background with the XYZ color 28.6229, 40.5653,

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

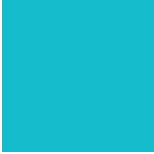
28.6229, 40.5653, 60.9649

Protanopia

38.9086, 39.8086, 52.6468

Deuteranopia

40.8041, 40.0050, 63.3287



Tritanopia

29.1708, 40.4748, 63.4017

Trichromacy



Original Color

28.6229, 40.5653, 60.9649



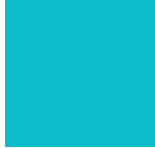
Protanomaly

30.9836, 37.9206, 55.5556



Deuteranomaly

31.9789, 37.7097, 62.0931



Tritanomaly

28.9287, 40.3638, 62.7662

Monochromacy



Original Color

28.6229, 40.5653, 60.9649



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

21.4735, 27.5111, 36.5262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6229, 40.5653, 60.9649 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 200) }
```

Border

The CSS property to change the border of an element to XYZ 28.6229, 40.5653, 60.9649 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, 200) }
```


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

```
.border{ border-color:rgb(0, 189, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6229, 40.5653, 60.9649 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, 200) }
```

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

```
.background{ background-color: rgb(0, 189,  
200) }
```

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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