

Converting Colors

XYZ(8.0085, 28.4799, 64.2410)

Have a look what the booklet for
XYZ(8.0085, 28.4799, 64.2410)
contains.

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Color

**XYZ(28.6114, 39.2029,
65.0904)**

Conversions

Conversions Part 1

Format	Color
Hex	00B9CF
RGB	0, 185, 207
RGB Percent	0%, 73%, 81%
CMY	0.9998, 0.2745, 0.1882
CMYK	1.00, 0.11, 0.00, 0.19
HSL	186°, 100%, 41%
HSV	186°, 100%, 81%
XYZ	28.6114, 39.2029, 65.0904
YIQ	132.1930, -117.3220, -32.3780

Conversions

Conversions Part 2

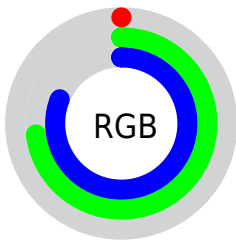
Format	Color
RYB	0, 98, 207
Decimal	47567
CIELab	68.90, -30.84, -22.10
CIELCh	69, 37.946, 215.628
Yxy	39.2029, 0.2153, 0.2950
Android (android.graphics.Color)	4278237647 (0xFF00B9CF)
YUV	132.1930, 36.8799, -115.9333
Hunter-Lab	62.6122, -28.0037, -17.8081

Details

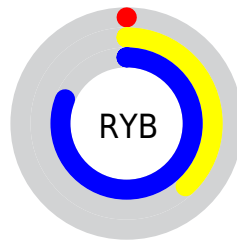
The XYZ color **28.6114, 39.2029, 65.0904** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **26.0204, 13.8411, 1.3014**, and the grayscale version is **21.9083, 23.0493, 25.1007**.

A 20% lighter version of the original color is **55.2142, 73.0736, 105.8023**, and **13.8661, 18.5325, 32.9833** is the 20% darker color. If you saturate the color by 10%, you get **28.6111, 39.2021, 65.0910**, and if you desaturate by 10%, it is **29.3799, 40.2885, 65.2602**.

Distribution



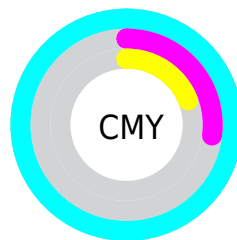
- Red (0%)
- Green (73%)
- Blue (81%)



- Red (0%)
- Yellow (38%)
- Blue (81%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (27%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6114, 39.2029, 65.0904 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 28.6114, 39.2029, 65.0904 by changing the saturation by 10% instead.

■ 28.6114, 39.2029,
65.0904

■ 28.6114, 39.2029,
65.0904

287.4044,
342.7524, 461.4319

■ 18.9298, 26.9176,
47.0826

■ 56.8609, 73.9482,
113.7943

■ 11.7233, 17.5114,
32.7461

■ 76.1597, 97.1770,
145.3275

■ 6.6264, 10.5997,
21.6625

■ 99.3948, 124.8223,
182.2063

■ 3.2738, 5.7984,
13.4132

■ 126.9317,
157.2687, 224.8491

■ 1.3002, 2.7229,
7.5796

■ 159.1358,
194.9006, 273.6745

■ 0.1833, 0.9888,
3.7433

196.3723,

■ 0.0000, 0.0000,

238.1022, 329.1011

1.4856

239.0068,
287.2580, 391.5473

■ 0.0000, 0.0000,
0.2072

■ 0.0000, 0.0000,
0.0000

■ 28.6114, 39.2029,
65.0904

■ 28.6114, 39.2029,
65.0904

■ 28.6111, 39.2021,
65.0910

■ 29.3799, 40.2885,
65.2602

■ 30.4793, 41.5545,
65.4466

■ 32.0210, 43.0592,
65.6558

■ 34.0643, 44.8333,
65.8905

■ 36.6597, 46.9027,
66.1532

■ 39.8511, 49.2901,
66.4458

■ 43.6781, 52.0161,
66.7702

■ 48.1769, 55.0993,
67.1283

■ 53.3810, 58.5570,
67.5214

Harmonies

Analogous

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



26.8752, 39.2029, 46.0245



28.6114, 39.2029, 65.0904



32.6797, 39.2029, 80.6261

Triad

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



28.6114, 39.2029, 65.0904



48.8482, 39.2029, 57.9017



36.1359, 39.2029, 17.4387

Complementary

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



28.6114, 39.2029, 65.0904



26.0204, 13.8411, 1.3014

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.



42.2520, 39.2029, 19.0252



28.6114, 39.2029, 65.0904



50.0279, 39.2029, 39.5116

Square

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



28.6114, 39.2029, 65.0904



44.4295, 39.2029, 75.7528



47.4991, 39.2029, 26.1207



30.9086, 39.2029, 20.9888

Rectangle

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



28.6114, 39.2029, 65.0904



36.3846, 39.2029, 85.0782



47.4991, 39.2029, 26.1207



38.1517, 39.2029, 17.4038

Sweetspot

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



28.6127, 39.2043, 65.0914



69.7456, 83.1853, 106.9881



22.4466, 44.6797, 8.1379



14.3445, 17.3934, 22.8512



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.



28.6127, 39.2043, 65.0914



45.7644, 62.6489, 104.2881



14.3432, 10.6654, 60.3349



12.0466, 13.1834, 15.1534



18.0678, 24.7823, 41.0237



1.0417, 1.4487, 2.3043

Inverse Universe

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



34.4901, 16.7694, 47.3193



55.2290, 26.8556, 75.5949



32.9677, 27.7357, 3.6172



12.2544, 11.9865, 14.6155



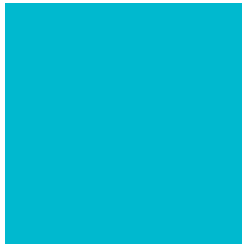
21.7505, 10.5731, 29.9222



1.2321, 0.5975, 1.7568

Previews

White Background



This preview shows how the XYZ color 28.6114, 39.2029, 65.0904 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 28.6114, 39.2029, 65.0904 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

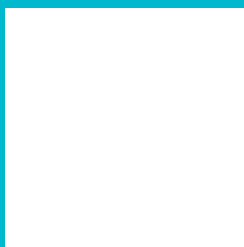
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6114, 39.2029, 65.0904

Background



This preview shows how black text looks on a background with the XYZ color 28.6114, 39.2029, 65.0904.



This preview shows how white text looks on a background with the XYZ color 28.6114, 39.2029,

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

28.6114, 39.2029, 65.0904

Protanopia

38.2741, 38.8489, 56.5203

Deuteranopia

39.6563, 38.7780, 67.6821



Tritanopia

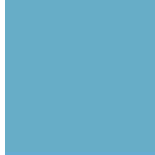
28.1015, 39.3349, 61.3696

Trichromacy



Original Color

28.6114, 39.2029, 65.0904



Protanomaly

30.8459, 36.8942, 59.5284



Deuteranomaly

31.8649, 36.9830, 66.4317



Tritanomaly

28.3384, 39.4296, 62.6170

Monochromacy



Original Color

28.6114, 39.2029, 65.0904



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

20.9808, 26.5212, 36.8142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6114, 39.2029, 65.0904 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, 185, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 207)  
}
```

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, 185, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 207) }
```

Border

The CSS property to change the border of an element to XYZ 28.6114, 39.2029, 65.0904 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, 185, 207) }
```


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

```
.border{ border-color:rgb(0, 185, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 185, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 185, 207); box-shadow:4px 4px 4px 4px rgb(0, 185, 207) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6114, 39.2029, 65.0904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 207) }
```

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

```
.background{ background-color: rgb(0, 185,  
207) }
```

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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