

Converting Colors

XYZ(29.3032, 40.1727, 66.5962)

Have a look what the booklet for
XYZ(29.3032, 40.1727, 66.5962)
contains.

XYZ(29.2789, 40.1441, 66.5270)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.2789, 40.1441,
66.5270)**

Conversions

Conversions Part 1

Format	Color
Hex	00BBD1
RGB	0, 187, 209
RGB Percent	0%, 73%, 82%
CMY	0.9998, 0.2667, 0.1804
CMYK	1.00, 0.11, 0.00, 0.18
HSL	186°, 100%, 41%
HSV	186°, 100%, 82%
XYZ	29.2789, 40.1441, 66.5270
YIQ	133.5950, -118.5140, -32.8020

Conversions

Conversions Part 2

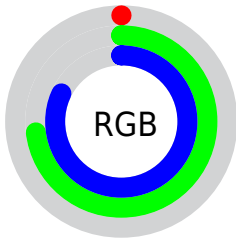
Format	Color
RYB	0, 99, 209
Decimal	48081
CIELab	69.57, -31.16, -22.17
CIELCh	70, 38.246, 215.433
Yxy	40.1441, 0.2154, 0.2953
Android (android.graphics.Color)	4278238161 (0xFF00BBD1)
YUV	133.5950, 37.1747, -117.1628
Hunter-Lab	63.3594, -28.3925, -17.9026

Details

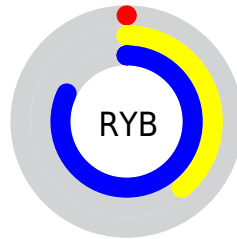
The XYZ color **29.2789, 40.1441, 66.5270** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **26.5828, 14.1310, 1.3277**, and the grayscale version is **22.4161, 23.5835, 25.6824**.

A 20% lighter version of the original color is **56.2264, 74.9246, 106.1062**, and **14.3039, 19.1416, 33.9512** is the 20% darker color. If you saturate the color by 10%, you get **29.2787, 40.1433, 66.5276**, and if you desaturate by 10%, it is **30.0581, 41.2449, 66.6992**.

Distribution



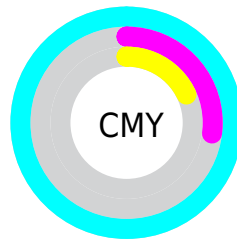
- Red (0%)
- Green (73%)
- Blue (82%)



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



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (27%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2789, 40.1441, 66.5270 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 29.2789, 40.1441, 66.5270 by changing the saturation by 10% instead.

■ 29.2789, 40.1441,
66.5270

■ 29.2789, 40.1441,
66.5270

290.4991,
346.7306, 466.7148

■ 19.4372, 27.6509,
48.2412

■ 57.9144, 75.3829,
115.8766

■ 12.0925, 18.0627,
33.6566

■ 77.4390, 98.8973,
147.7774

■ 6.8794, 10.9950,
22.3547

■ 100.9219,
126.8542, 185.0536

■ 3.4324, 6.0635,
13.9169

■ 128.7285,
159.6381, 228.1238

■ 1.3864, 2.8837,
7.9248

■ 161.2242,
197.6332, 277.4065

■ 0.2465, 1.0713,
3.9598

198.7743,

■ 0.0000, 0.0000,

241.2241, 333.3202

1.6033

241.7441,
290.7951, 396.2835

■ 0.0000, 0.0000,
0.2932

■ 0.0000, 0.0000,
0.0000

■ 29.2789, 40.1441,
66.5270

■ 29.2789, 40.1441,
66.5270

■ 29.2787, 40.1433,
66.5276

■ 30.0581, 41.2449,
66.6992

■ 31.1761, 42.5302,
66.8883

■ 32.7460, 44.0592,
67.1007

■ 34.8289, 45.8634,
67.3392

■ 37.4761, 47.9693,
67.6062

■ 40.7329, 50.4004,
67.9037

■ 44.6398, 53.1774,
68.2338

■ 49.2339, 56.3196,
68.5982

■ 54.5492, 59.8447,
68.9985

Harmonies

Analogous

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



27.5177, 40.1441, 47.0080



29.2789, 40.1441, 66.5270



33.4307, 40.1441, 82.4864

Triad

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



29.2789, 40.1441, 66.5270



50.0004, 40.1441, 59.4206



37.0430, 40.1441, 17.8520

Complementary

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



29.2789, 40.1441, 66.5270



26.5828, 14.1310, 1.3277

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.



43.3063, 40.1441, 19.5108



29.2789, 40.1441, 66.5270



51.2332, 40.1441, 40.5702

Square

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



29.2789, 40.1441, 66.5270



45.4588, 40.1441, 77.6687



48.6667, 40.1441, 26.8165



31.6800, 40.1441, 21.4515

Rectangle

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



29.2789, 40.1441, 66.5270



37.2184, 40.1441, 87.1043



48.6667, 40.1441, 26.8165



39.1087, 40.1441, 17.8274

Sweetspot

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



29.2802, 40.1455, 66.5280



69.7694, 83.2329, 106.9961



22.9361, 45.6557, 8.3101



14.3502, 17.4050, 22.8531



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.



29.2802, 40.1455, 66.5280



45.8358, 62.7917, 104.3119



14.6507, 10.8866, 61.6515



12.0476, 13.1855, 15.1537



18.0953, 24.8372, 41.0328



1.0430, 1.4512, 2.3047

Inverse Universe

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



35.2652, 17.1444, 48.4657



55.2650, 26.8700, 75.7847



33.6817, 28.3289, 3.6941



12.2549, 11.9867, 14.6183



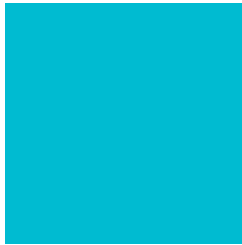
21.7644, 10.5786, 29.9951



1.2327, 0.5978, 1.7602

Previews

White Background



This preview shows how the XYZ color 29.2789, 40.1441, 66.5270 looks on a white background.

Color Contrast Check

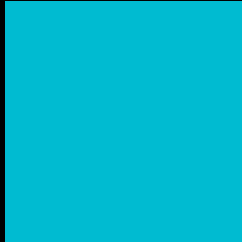
Large Text (above 18pt) WCAG AA × Fail

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 29.2789, 40.1441, 66.5270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

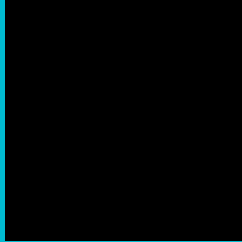
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.2789, 40.1441, 66.5270

Background



This preview shows how black text looks on a background with the XYZ color 29.2789, 40.1441, 66.5270.



This preview shows how white text looks on a background with the XYZ color 29.2789, 40.1441,

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

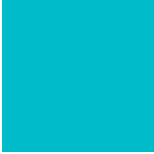
29.2789, 40.1441, 66.5270

Protanopia

39.0924, 39.5155, 57.7914

Deuteranopia

40.6741, 39.8089, 69.1585



Tritanopia

28.7627, 40.2782, 62.7584

Trichromacy



Original Color

29.2789, 40.1441, 66.5270



Protanomaly

31.3876, 37.4322, 60.8292



Deuteranomaly

32.6132, 37.9091, 67.8856



Tritanomaly

29.0027, 40.3742, 64.0220

Monochromacy



Original Color

29.2789, 40.1441, 66.5270



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

21.5706, 27.2870, 37.8482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2789, 40.1441, 66.5270 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, 187, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 209)  
}
```

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, 187, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 209) }
```

Border

The CSS property to change the border of an element to XYZ 29.2789, 40.1441, 66.5270 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, 187, 209) }
```


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

```
.border{ border-color:rgb(0, 187, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 187, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2789, 40.1441, 66.5270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 209) }
```

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

```
.background{ background-color: rgb(0, 187,  
209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor