

Converting Colors

XYZ(42.9027, 63.3575, 83.5050)

Have a look what the booklet for
XYZ(42.9027, 63.3575, 83.5050)
contains.

XYZ(42.8602, 63.3147, 83.3608)	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(42.8602, 63.3147,
83.3608)**

Conversions

Conversions Part 1

Format	Color
Hex	00E8E4
RGB	0, 232, 228
RGB Percent	0%, 91%, 89%
CMY	0.9998, 0.0902, 0.1059
CMYK	1.00, 0.00, 0.02, 0.09
HSL	179°, 100%, 46%
HSV	179°, 100%, 91%
XYZ	42.8602, 63.3147, 83.3608
YIQ	162.1760, -136.9880, -50.4280

Conversions

Conversions Part 2

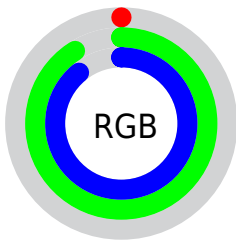
Format	Color
RYB	0, 117, 232
Decimal	59620
CIELab	83.61, -45.92, -11.23
CIELCh	84, 47.275, 193.737
Yxy	63.3147, 0.2261, 0.3341
Android (android.graphics.Color)	4278249700 (0xFF00E8E4)
YUV	162.1760, 32.4512, -142.2284
Hunter-Lab	79.5705, -43.1005, -6.4148

Details

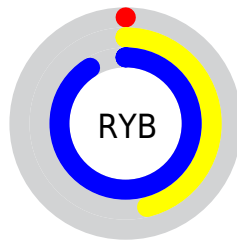
The XYZ color **42.8602, 63.3147, 83.3608** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **33.3027, 17.1665, 1.6748**, and the grayscale version is **34.3324, 36.1204, 39.3351**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.8728, 33.6771, 44.8300** is the 20% darker color. If you saturate the color by 10%, you get **42.8613, 63.3166, 83.3616**, and if you desaturate by 10%, it is **43.2763, 63.5242, 83.6722**.

Distribution



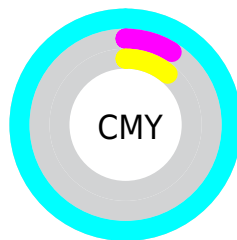
- Red (0%)
- Green (91%)
- Blue (89%)



- Red (0%)
- Yellow (46%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8602, 63.3147, 83.3608 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 42.8602, 63.3147, 83.3608 by changing the saturation by 10% instead.


 42.8602, 63.3147,
83.3608


 42.8602, 63.3147,
83.3608


348.9678,
436.7107, 526.1907


 29.9695, 46.0958,
61.9455


 78.7569, 109.6234,
139.9344

 19.9634, 32.3215,
44.5532

 102.4936,
139.4820, 175.9298


 12.4765, 21.6072,
30.7652


 130.5763,
174.3227, 217.6224

 7.1436, 13.5685,
20.1632

 163.3704,
214.5298, 265.4305

 3.5992, 7.8212,
12.3285

 201.2412,
260.4878, 319.7729

 1.4780, 3.9807,
6.8425

244.5542,

 0.3108, 1.6628,

312.5810, 381.0680

3.2869

293.6746,
371.1938, 449.7344

■ 0.0000, 0.3994,
1.2429

■ 0.0000, 0.0000,
0.0143

■ 42.8602, 63.3147,
83.3608

■ 42.8602, 63.3147,
83.3608

■ 42.8613, 63.3166,
83.3616

■ 43.2763, 63.5242,
83.6722

■ 44.1202, 63.9528,
84.0028

■ 45.5299, 64.6730,
84.3605

■ 47.5846, 65.7258,
84.7491

■ 50.3511, 67.1455,
85.1717

■ 53.8879, 68.9623,
85.6311

■ 58.2473, 71.2031,
86.1296

■ 63.4772, 73.8927,
86.6695

■ 69.6217, 77.0537,
87.2529

Harmonies

Analogous

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



43.0414, 63.3147, 54.1926



42.8602, 63.3147, 83.3608



46.9281, 63.3147, 116.2640

Triad

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



42.8602, 63.3147, 83.3608



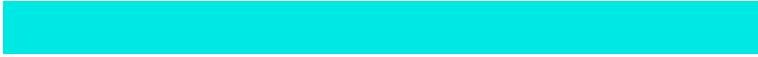
74.9946, 63.3147, 118.7975



65.9193, 63.3147, 27.4559

Complementary

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



42.8602, 63.3147, 83.3608



33.3027, 17.1665, 1.6748

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.



75.7147, 63.3147, 36.5949



42.8602, 63.3147, 83.3608



81.3504, 63.3147, 86.1436

Square

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



42.8602, 63.3147, 83.3608



65.0236, 63.3147, 140.3487



81.6282, 63.3147, 56.2845



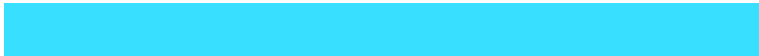
55.5807, 63.3147, 27.1057

Rectangle

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



42.8602, 63.3147, 83.3608



51.8040, 63.3147, 133.6339



81.6282, 63.3147, 56.2845



69.4107, 63.3147, 29.4505

Sweetspot

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



42.8621, 63.3171, 83.3623



72.0732, 88.1795, 106.7193



28.9554, 57.7655, 9.6254



14.9109, 18.6089, 22.7851



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.



42.8621, 63.3171, 83.3623



53.1097, 78.4599, 103.2820



21.7445, 20.1823, 79.0960



14.7962, 16.3319, 18.4574



23.7993, 35.1518, 46.3048



1.7621, 2.5990, 3.4400

Inverse Universe

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



33.3027, 17.1665, 1.6748



41.2641, 21.2696, 2.0569



38.6742, 27.9447, 3.3571



14.3870, 14.3720, 14.9726



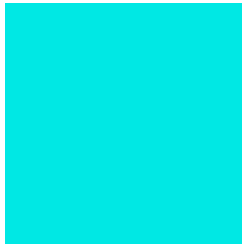
18.4919, 9.5310, 0.9535



1.3701, 0.7057, 0.0893

Previews

White Background



This preview shows how the XYZ color 42.8602, 63.3147, 83.3608 looks on a white background.

Color Contrast Check

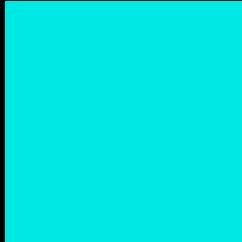
Large Text (above 18pt) WCAG AA × Fail

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 42.8602, 63.3147, 83.3608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

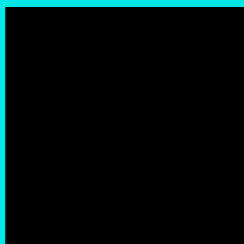
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

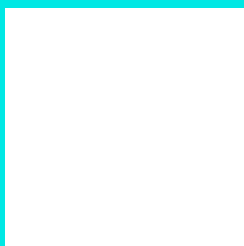
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8602, 63.3147, 83.3608

Background



This preview shows how black text looks on a background with the XYZ color 42.8602, 63.3147, 83.3608.

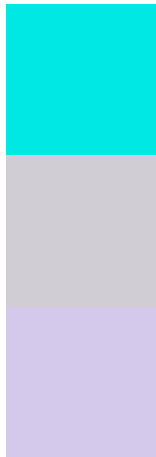


This preview shows how white text looks on a background with the XYZ color 42.8602, 63.3147,

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

42.8602, 63.3147, 83.3608

Protanopia

60.0095, 61.9714, 71.0862

Deuteranopia

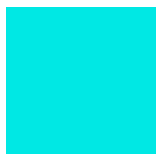
63.3226, 61.9176, 87.2111



Tritanopia

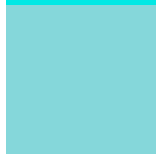
46.0893, 63.3968, 98.6146

Trichromacy



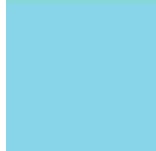
Original Color

42.8602, 63.3147, 83.3608



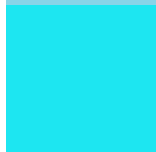
Protanomaly

46.6282, 58.6494, 75.1926



Deuteranomaly

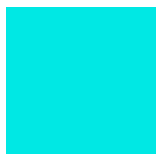
48.2623, 58.1474, 85.0238



Tritanomaly

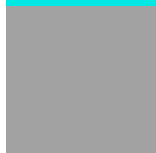
44.6807, 63.2057, 93.0641

Monochromacy



Original Color

42.8602, 63.3147, 83.3608



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

32.2268, 41.9694, 52.8567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8602, 63.3147, 83.3608 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, 232, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 228)  
}
```

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, 232, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 228) }
```

Border

The CSS property to change the border of an element to XYZ 42.8602, 63.3147, 83.3608 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, 232, 228) }
```


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

```
.border{ border-color:rgb(0, 232, 228) }
```

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

Here you see how a box with a 4 pixel rgb(0, 232, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 232, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 232, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 232,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8602, 63.3147, 83.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 232, 228) }
```

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

```
.background{ background-color: rgb(0, 232,  
228) }
```

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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