

Converting Colors

XYZ(42.4314, 62.0349, 83.1696)

Have a look what the booklet for
XYZ(42.4314, 62.0349, 83.1696)
contains.

XYZ(42.2915, 61.7785, 83.0942)	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(42.2915, 61.7785,
83.0942)**

Conversions

Conversions Part 1

Format	Color
Hex	13E5E4
RGB	19, 229, 228
RGB Percent	7%, 90%, 89%
CMY	0.9253, 0.1019, 0.1059
CMYK	0.92, 0.00, 0.00, 0.10
HSL	180°, 85%, 49%
HSV	180°, 92%, 90%
XYZ	42.2915, 61.7785, 83.0942
YIQ	166.0960, -124.8390, -44.8310

Conversions

Conversions Part 2

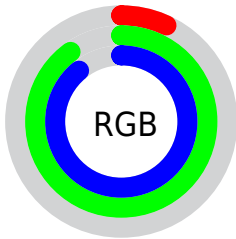
Format	Color
R _Y B	19, 124, 229
Decimal	1304036
CIE Lab	82.80, -44.13, -12.43
CIE LCh	83, 45.843, 195.733
Yxy	61.7785, 0.2260, 0.3301
Android (android.graphics.Color)	4279494116 (0xFF13E5E4)
YUV	166.0960, 30.5187, -129.0032
Hunter-Lab	78.5993, -41.5042, -7.6611

Details

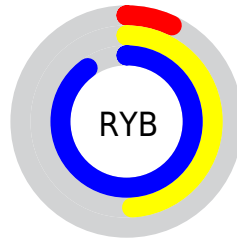
The XYZ color **42.2915, 61.7785, 83.0942** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **32.6743, 17.1763, 2.2571**, and the grayscale version is **36.1989, 38.0840, 41.4735**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **22.4864, 32.9043, 44.7012** is the 20% darker color. If you saturate the color by 10%, you get **42.0114, 61.6369, 83.0167**, and if you desaturate by 10%, it is **42.9916, 62.1390, 83.2076**.

Distribution



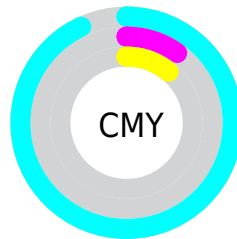
- Red (7%)
- Green (90%)
- Blue (89%)



- Red (7%)
- Yellow (49%)
- Blue (90%)



- Cyan (92%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)





- Cyan (93%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2915, 61.7785, 83.0942 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 42.2915, 61.7785, 83.0942 by changing the saturation by 10% instead.


 42.2915, 61.7785,
83.0942


 42.2915, 61.7785,
83.0942


346.6610,
431.1227, 525.2796


 29.5217, 44.8537,
61.7268


 77.9030, 107.4053,
139.5578


 19.6221, 31.3422,
44.3776

 101.4754,
136.8762, 175.4911


 12.2273, 20.8596,
30.6281

 129.3795,
171.2979, 217.1167

 6.9720, 13.0214,
20.0598

 161.9805,
211.0548, 264.8533

 3.4908, 7.4433,
12.2540

 199.6437,
256.5314, 319.1194

 1.4183, 3.7408,
6.7923

242.7347,

 0.2692, 1.5297,

308.1119, 380.3334

3.2560

291.6187,
366.1809, 448.9140

■ 0.0000, 0.3095,
1.2268

■ 0.0000, 0.0000,
0.0007

■ 42.2915, 61.7785,
83.0942

■ 42.2915, 61.7785,
83.0942

■ 42.0114, 61.6369,
83.0167

■ 42.9916, 62.1390,
83.2076

■ 44.2239, 62.7725,
83.3445

■ 46.0697, 63.7223,
83.5102

■ 48.5954, 65.0226,
83.7078

■ 51.8588, 66.7032,
83.9399

■ 55.9114, 68.7906,
84.2090

■ 60.8003, 71.3092,
84.5173

■ 66.5688, 74.2812,
84.8668

■ 73.2572, 77.7274,
85.2595

Harmonies

Analogous

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



42.1906, 61.7785, 54.7504



42.2915, 61.7785, 83.0942



46.4517, 61.7785, 114.1351

Triad

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



42.2915, 61.7785, 83.0942



73.3723, 61.7785, 112.7420



63.5170, 61.7785, 27.1661

Complementary

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



42.2915, 61.7785, 83.0942



32.6743, 17.1763, 2.2571

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.



72.9747, 61.7785, 35.3884



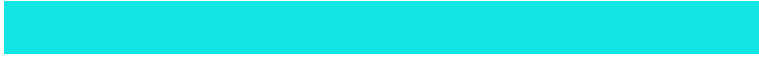
42.2915, 61.7785, 83.0942



79.0816, 61.7785, 81.5574

Square

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



42.2915, 61.7785, 83.0942



64.0124, 61.7785, 134.2533



78.9285, 61.7785, 53.5879



53.7250, 61.7785, 27.3632

Rectangle

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



42.2915, 61.7785, 83.0942



51.2646, 61.7785, 129.9195



78.9285, 61.7785, 53.5879



66.8622, 61.7785, 28.9088

Sweetspot

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



42.2934, 61.7808, 83.0957



73.4267, 88.8591, 107.6020



28.4810, 56.2644, 9.9769



15.1736, 18.7399, 22.9964



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.



42.2934, 61.7808, 83.0957



53.6147, 78.6619, 105.9417



22.0696, 21.1100, 77.0426



14.8044, 16.3352, 18.5006



24.0207, 35.2404, 47.4707



1.7760, 2.6045, 3.5130

Inverse Universe

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



32.6743, 17.1763, 2.2571



41.2467, 21.2627, 1.9651



39.2115, 30.2647, 4.3929



14.3798, 14.3691, 14.9345



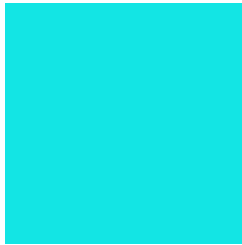
18.4797, 9.5261, 0.8892



1.3666, 0.7043, 0.0709

Previews

White Background



This preview shows how the XYZ color 42.2915, 61.7785, 83.0942 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 42.2915, 61.7785, 83.0942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

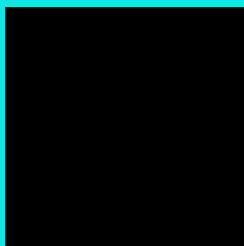
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

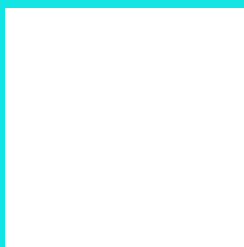
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2915, 61.7785, 83.0942

Background



This preview shows how black text looks on a background with the XYZ color 42.2915, 61.7785, 83.0942.

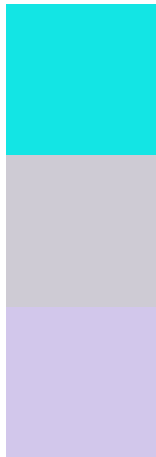


This preview shows how white text looks on a background with the XYZ color 42.2915, 61.7785,

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

42.2915, 61.7785, 83.0942

Protanopia

58.6932, 60.5871, 70.8884

Deuteranopia

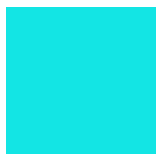
61.9972, 60.5466, 87.0163



Tritanopia

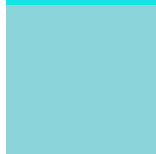
44.8045, 61.5661, 95.9082

Trichromacy



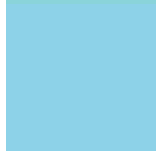
Original Color

42.2915, 61.7785, 83.0942



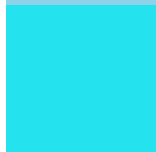
Protanomaly

46.6796, 57.5522, 74.9781



Deuteranomaly

48.5966, 57.5821, 84.8971



Tritanomaly

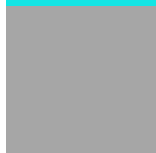
43.7766, 61.5452, 91.2335

Monochromacy



Original Color

42.2915, 61.7785, 83.0942



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.1930, 43.5800, 54.7537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2915, 61.7785, 83.0942 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(19, 229, 228)` looks like.

```
.text, #text, p{  
    color:rgb(19, 229, 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(19, 229, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 229, 228) }
```

Border

The CSS property to change the border of an element to XYZ 42.2915, 61.7785, 83.0942 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(19, 229, 228) }
```


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

```
.border{ border-color:rgb(19, 229, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 229, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 229, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 229, 228);  
box-shadow:4px 4px 4px 4px rgb(19, 229,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2915, 61.7785, 83.0942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 229, 228) }
```

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

```
.background{ background-color: rgb(19, 229,  
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](#).

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