

Converting Colors

XYZ(42.9411, 61.7057, 83.0607)

Have a look what the booklet for
XYZ(42.9411, 61.7057, 83.0607)
contains.

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Color

**XYZ(42.9193, 61.6926,
83.0446)**

Conversions

Conversions Part 1

Format	Color
Hex	2FE4E4
RGB	47, 228, 228
RGB Percent	18%, 89%, 89%
CMY	0.8156, 0.1059, 0.1059
CMYK	0.79, 0.00, 0.00, 0.11
HSL	180°, 77%, 54%
HSV	180°, 79%, 89%
XYZ	42.9193, 61.6926, 83.0446
YIQ	173.8810, -107.8760, -38.3720

Conversions

Conversions Part 2

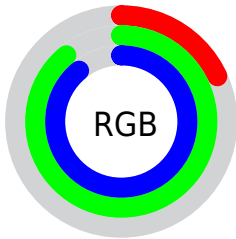
Format	Color
RYB	47, 138, 228
Decimal	3138788
CIELab	82.75, -42.05, -12.47
CIELCh	83, 43.860, 196.523
Yxy	61.6926, 0.2287, 0.3288
Android (android.graphics.Color)	4281328868 (0xFF2FE4E4)
YUV	173.8810, 26.6807, -111.2746
Hunter-Lab	78.5446, -39.9150, -7.7056

Details

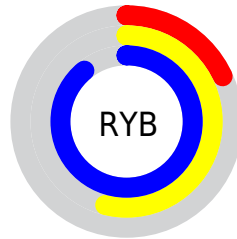
The XYZ color **42.9193, 61.6926, 83.0446** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.5266, 18.7342, 4.5402**, and the grayscale version is **40.0813, 42.1686, 45.9216**.

A 20% lighter version of the original color is **62.5624, 83.2520, 107.3796**, and **22.2953, 32.5222, 44.6375** is the 20% darker color. If you saturate the color by 10%, you get **42.1299, 61.2870, 83.0089**, and if you desaturate by 10%, it is **44.2607, 62.3855, 83.1089**.

Distribution



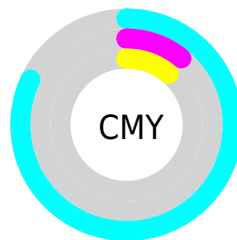
- Red (18%)
- Green (89%)
- Blue (89%)



- Red (18%)
- Yellow (54%)
- Blue (89%)



- Cyan (79%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (82%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9193, 61.6926, 83.0446 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 42.9193, 61.6926, 83.0446 by changing the saturation by 10% instead.

42.9193, 61.6926,
83.0446

42.9193, 61.6926,
83.0446

349.2069,
430.8089, 525.1100

30.0160, 44.7844,
61.6861

78.8455, 107.2811,
139.4877

19.9989, 31.2876,
44.3450

102.5992,
136.7302, 175.4094

12.5025, 20.8180,
30.6026

130.7005,
171.1284, 217.0226

7.1615, 12.9910,
20.0405

163.5146,
210.8600, 264.7459

3.6105, 7.4223,
12.2401

201.4069,
256.3094, 318.9977

1.4843, 3.7276,
6.7829

244.7428,

0.3151, 1.5224,

307.8611, 380.1967

3.2503

293.8877,
365.8995, 448.7613

■ 0.0000, 0.3044,
1.2238

■ 0.0000, 0.0000,
0.0000

■ 42.9193, 61.6926,
83.0446

■ 42.9193, 61.6926,
83.0446

■ 42.1299, 61.2870,
83.0089

■ 44.2607, 62.3855,
83.1089

■ 41.7658, 61.0993,
82.9917

■ 46.2237, 63.3974,
83.2010

■ 41.7481, 61.0902,
82.9908

■ 48.8734, 64.7634,
83.3251

■ 52.2655, 66.5121,
83.4840

■ 56.4498, 68.6691,
83.6800

■ 61.4719, 71.2581,
83.9152

■ 67.3740, 74.3008,
84.1916

■ 74.1952, 77.8172,
84.5110

■ 81.9726, 81.8266,
84.8751

Harmonies

Analogous

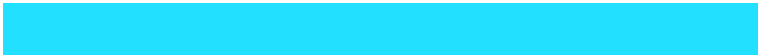
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.7171, 61.6926, 55.7860



42.9193, 61.6926, 83.0446



47.0282, 61.6926, 112.3236

Triad

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



42.9193, 61.6926, 83.0446



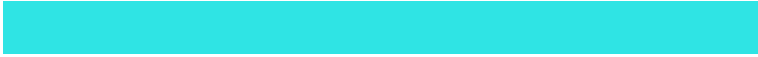
72.7984, 61.6926, 109.5973



62.9637, 61.6926, 28.2804

Complementary

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



42.9193, 61.6926, 83.0446



33.5266, 18.7342, 4.5402

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.



72.0143, 61.6926, 36.1055



42.9193, 61.6926, 83.0446



78.0895, 61.6926, 80.0123

Square

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



42.9193, 61.6926, 83.0446



63.9446, 61.6926, 130.2449



77.7881, 61.6926, 53.4642



53.6315, 61.6926, 28.6834

Rectangle

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



42.9193, 61.6926, 83.0446



51.7081, 61.6926, 126.9246



77.7881, 61.6926, 53.4642



66.1587, 61.6926, 29.9221

Sweetspot

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



42.9212, 61.6949, 83.0461



76.0067, 90.1828, 108.0083



29.5747, 56.3730, 12.0133



15.7852, 19.0537, 23.0956



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.



42.9212, 61.6949, 83.0461



53.9719, 78.8235, 106.9756



24.6322, 25.1166, 76.9510



14.8075, 16.3364, 18.5171



24.1061, 35.2745, 47.9204



1.7814, 2.6067, 3.5412

Inverse Universe

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



33.5266, 18.7342, 4.5402



41.4518, 21.5699, 2.3511



41.1028, 33.8867, 7.0654



14.3771, 14.3680, 14.9200



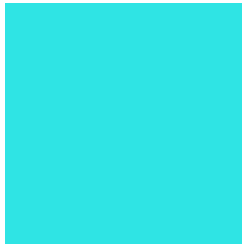
18.4751, 9.5242, 0.8647



1.3652, 0.7038, 0.0639

Previews

White Background



This preview shows how the XYZ color 42.9193, 61.6926, 83.0446 looks on a white background.

Color Contrast Check

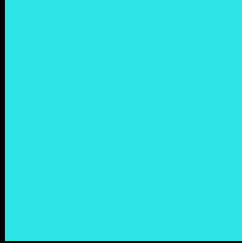
Large Text (above 18pt) WCAG AA × Fail

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 42.9193, 61.6926, 83.0446 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

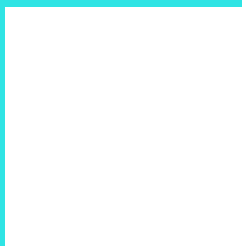
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9193, 61.6926, 83.0446

Background



This preview shows how black text looks on a background with the XYZ color 42.9193, 61.6926, 83.0446.

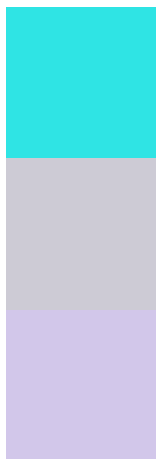


This preview shows how white text looks on a background with the XYZ color 42.9193, 61.6926,

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

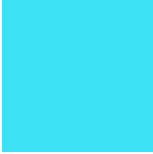
42.9193, 61.6926, 83.0446

Protanopia

58.5430, 60.4951, 71.5420

Deuteranopia

61.8530, 60.4890, 86.2574



Tritanopia

45.4500, 61.9165, 95.1436

Trichromacy



Original Color

42.9193, 61.6926, 83.0446



Protanomaly

48.4111, 58.4448, 75.0591



Deuteranomaly

50.3746, 58.4987, 84.9803



Tritanomaly

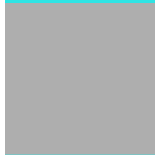
44.5326, 61.9520, 90.4997

Monochromacy



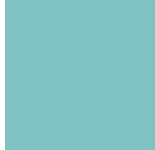
Original Color

42.9193, 61.6926, 83.0446



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

37.9315, 47.0678, 58.1247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9193, 61.6926, 83.0446 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(47, 228, 228)` looks like.

```
.text, #text, p{  
    color:rgb(47, 228, 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(47, 228, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 228, 228) }
```

Border

The CSS property to change the border of an element to XYZ 42.9193, 61.6926, 83.0446 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(47, 228, 228) }
```


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

```
.border{ border-color:rgb(47, 228, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 228, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 228, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 228, 228);  
box-shadow:4px 4px 4px 4px rgb(47, 228,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9193, 61.6926, 83.0446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 228, 228) }
```

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

```
.background{ background-color: rgb(47, 228,  
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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