

Converting Colors

XYZ(42.2043, 60.5380, 81.6554)

Have a look what the booklet for
XYZ(42.2043, 60.5380, 81.6554)
contains.

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Color

**XYZ(42.1427, 60.5121,
81.4104)**

Conversions

Conversions Part 1

Format	Color
Hex	30E2E2
RGB	48, 226, 226
RGB Percent	19%, 89%, 89%
CMY	0.8117, 0.1137, 0.1137
CMYK	0.79, 0.00, 0.00, 0.11
HSL	180°, 75%, 54%
HSV	180°, 79%, 89%
XYZ	42.1427, 60.5121, 81.4104
YIQ	172.7780, -106.0880, -37.7360

Conversions

Conversions Part 2

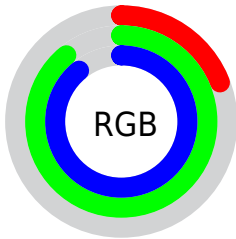
Format	Color
RYB	48, 137, 226
Decimal	3203810
CIELab	82.12, -41.64, -12.36
CIELCh	82, 43.439, 196.531
Yxy	60.5121, 0.2290, 0.3288
Android (android.graphics.Color)	4281393890 (0xFF30E2E2)
YUV	172.7780, 26.2384, -109.4303
Hunter-Lab	77.7895, -39.4288, -7.5971

Details

The XYZ color **42.1427, 60.5121, 81.4104** 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 **32.9564, 18.4978, 4.6314**, and the grayscale version is **39.5196, 41.5776, 45.2781**.

A 20% lighter version of the original color is **62.5624, 83.2520, 107.3796**, and **21.7254, 31.6897, 43.4998** is the 20% darker color. If you saturate the color by 10%, you get **41.3361, 60.0976, 81.3739**, and if you desaturate by 10%, it is **43.4953, 61.2107, 81.4752**.

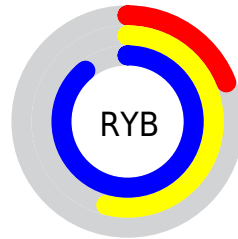
Distribution



Red (19%)

Green (89%)

Blue (89%)



Red (19%)

Yellow (54%)

Blue (89%)

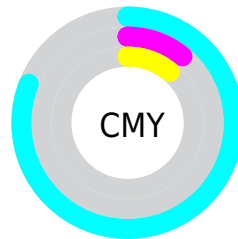


Cyan (79%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (81%)

Magenta (11%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1427, 60.5121, 81.4104 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 42.1427, 60.5121, 81.4104 by changing the saturation by 10% instead.

42.1427, 60.5121,
81.4104

42.1427, 60.5121,
81.4104

346.0557,
426.4828, 519.5049

29.4046, 43.8315,
60.3467

77.6794, 105.5722,
137.1761

19.5330, 30.5381,
43.2710

101.2087,
134.7205, 172.7152

12.1623, 20.2474,
29.7648

129.0658,
168.7935, 213.9165

6.9273, 12.5750,
19.4096

161.6160,
208.1756, 261.1985

3.4626, 7.1365,
11.7868

199.2248,
253.2512, 314.9799

1.4029, 3.5476,
6.4779

242.2574,

0.2583, 1.4239,

304.4046, 375.6790

3.0644

291.0793,
362.0204, 443.7145

■ 0.0000, 0.2342,
1.1276

■ 0.0000, 0.0000,
0.0000

■ 42.1427, 60.5121,
81.4104

■ 42.1427, 60.5121,
81.4104

■ 41.3361, 60.0976,
81.3739

■ 43.4953, 61.2107,
81.4752


■ 40.9601, 59.9038,
81.3561


■ 45.4609, 62.2240,
81.5674


■ 40.9249, 59.8856,
81.3544


■ 48.1029, 63.5860,
81.6912


■ 51.4751, 65.3244,
81.8492

 55.6261, 67.4644,
82.0436

 60.6003, 70.0286,
82.2766

 66.4387, 73.0385,
82.5500

 73.1797, 76.5135,
82.8656

 80.8591, 80.4724,
83.2252

Harmonies

Analogous

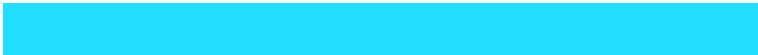
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.9438, 60.5121, 54.7581



42.1427, 60.5121, 81.4104



46.1635, 60.5121, 110.0156

Triad

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



42.1427, 60.5121, 81.4104



71.3599, 60.5121, 107.3384



61.7425, 60.5121, 27.8269

Complementary

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



42.1427, 60.5121, 81.4104



32.9564, 18.4978, 4.6314

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.



70.5895, 60.5121, 35.4891



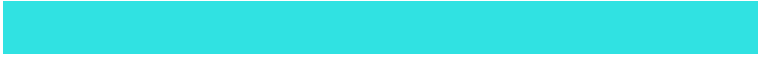
42.1427, 60.5121, 81.4104



76.5294, 60.5121, 78.4309

Square

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



42.1427, 60.5121, 81.4104



62.7065, 60.5121, 127.5080



76.2332, 60.5121, 52.4748



52.6181, 60.5121, 28.2239

Rectangle

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



42.1427, 60.5121, 81.4104



50.7415, 60.5121, 124.2732



76.2332, 60.5121, 52.4748



64.8658, 60.5121, 29.4347

Sweetspot

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



42.1445, 60.5144, 81.4119



76.0067, 90.1828, 108.0083



29.0953, 55.3114, 11.9404



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.



42.1445, 60.5144, 81.4119



53.9719, 78.8235, 106.9755



24.3219, 24.8687, 75.4722



14.1166, 15.5724, 17.6494



23.3469, 34.1636, 46.4111



1.6183, 2.3680, 3.2170

Inverse Universe

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



32.9564, 18.4978, 4.6314



41.4518, 21.5699, 2.3511



40.4298, 33.4446, 7.1223



13.7073, 13.7006, 14.2288



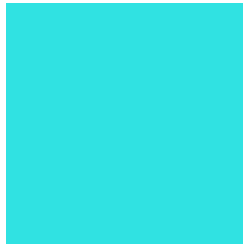
17.8932, 9.2243, 0.8374



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 42.1427, 60.5121, 81.4104 looks on a white background.

Color Contrast Check

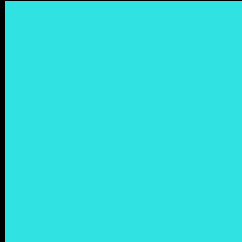
Large Text (above 18pt) WCAG AA × Fail

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 42.1427, 60.5121, 81.4104 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

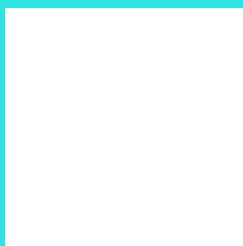
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1427, 60.5121, 81.4104

Background



This preview shows how black text looks on a background with the XYZ color 42.1427, 60.5121, 81.4104.

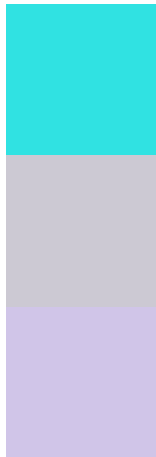


This preview shows how white text looks on a background with the XYZ color 42.1427, 60.5121,

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

42.1427, 60.5121, 81.4104

Protanopia

57.5464, 59.3138, 70.0437

Deuteranopia

60.5442, 59.1686, 84.5736



Tritanopia

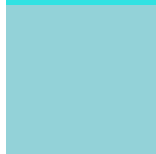
44.6071, 60.7142, 93.3724

Trichromacy



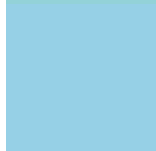
Original Color

42.1427, 60.5121, 81.4104



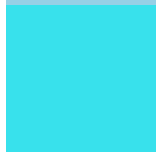
Protanomaly

47.4739, 57.2541, 73.5148



Deuteranomaly

49.4165, 57.3090, 83.3201



Tritanomaly

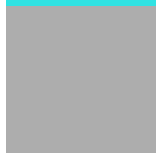
43.6964, 60.7473, 88.7792

Monochromacy



Original Color

42.1427, 60.5121, 81.4104



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.2662, 46.0942, 56.8021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1427, 60.5121, 81.4104 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(48, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(48, 226, 226)  
}
```

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(48, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 226, 226) }
```

Border

The CSS property to change the border of an element to XYZ 42.1427, 60.5121, 81.4104 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(48, 226, 226) }
```


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

```
.border{ border-color:rgb(48, 226, 226) }
```

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

Here you see how a box with a 4 pixel rgb(48, 226, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(48, 226,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1427, 60.5121, 81.4104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 226, 226) }
```

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

```
.background{ background-color: rgb(48, 226,  
226) }
```

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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