

# Converting Colors

XYZ(41.5551, 60.6149, 81.6246)

Have a look what the booklet for  
XYZ(41.5551, 60.6149, 81.6246)  
contains.

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# Color

**XYZ(41.5274, 60.5997,  
81.4597)**

# Conversions

## Conversions Part 1

Format	Color
Hex	16E3E2
RGB	22, 227, 226
RGB Percent	9%, 89%, 89%
CMY	0.9136, 0.1098, 0.1137
CMYK	0.90, 0.00, 0.00, 0.11
HSL	180°, 82%, 49%
HSV	180°, 90%, 89%
XYZ	41.5274, 60.5997, 81.4597
YIQ	165.5910, -121.8590, -43.7710

# Conversions

## Conversions Part 2

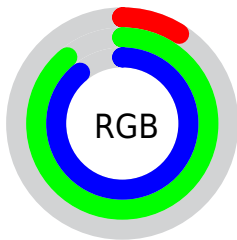
<b>Format</b>	<b>Color</b>
<b>RYB</b>	22, 125, 227
Decimal	1500130
CIELab	82.16, -43.71, -12.32
CIElCh	82, 45.414, 195.734
Yxy	60.5997, 0.2262, 0.3301
Android (android.graphics.Color)	4279690210 (0xFF16E3E2)
YUV	165.5910, 29.7816, -125.9293
Hunter-Lab	77.8458, -41.0081, -7.5504

# Details

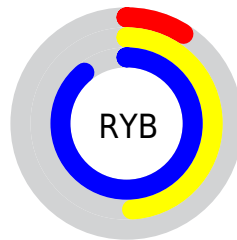
The XYZ color **41.5274, 60.5997, 81.4597** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.1221, 16.9685, 2.3946**, and the grayscale version is **35.9566, 37.8291, 41.1959**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **21.9136, 32.0661, 43.5625** is the 20% darker color. If you saturate the color by 10%, you get **41.1829, 60.4251, 81.3678**, and if you desaturate by 10%, it is **42.2833, 60.9889, 81.5759**.

# Distribution



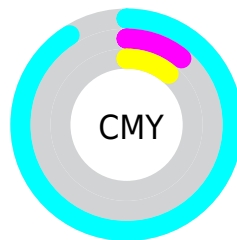
- Red (9%)
- Green (89%)
- Blue (89%)



- Red (9%)
- Yellow (49%)
- Blue (89%)



- Cyan (90%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (91%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5274, 60.5997, 81.4597 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 41.5274, 60.5997, 81.4597 by changing the saturation by 10% instead.



41.5274, 60.5997,  
81.4597

41.5274, 60.5997,  
81.4597

343.5451,  
426.8047, 519.6745

28.9209, 43.9022,  
60.3871

76.7535, 105.6991,  
137.2459

19.1650, 30.5936,  
43.3034

100.1039,  
134.8698, 172.7966

11.8943, 20.2896,  
29.7900

127.7662,  
168.9670, 214.0104

6.7434, 12.6057,  
19.4286

160.1059,  
208.3752, 261.3058

3.3470, 7.1576,  
11.8004

197.4882,  
253.4786, 315.1014

1.3398, 3.5609,  
6.4870

240.2787,

0.2127, 1.4311,

304.6618, 375.8156

3.0699

288.8425,  
362.3090, 443.8672

■ 0.0000, 0.2395,  
1.1304

■ 0.0000, 0.0000,  
0.0000

■ 41.5274, 60.5997,  
81.4597

■ 41.5274, 60.5997,  
81.4597

■ 41.1829, 60.4251,  
81.3678

■ 42.2833, 60.9889,  
81.5759

■ 43.5726, 61.6518,  
81.7158

■ 45.4728, 62.6296,  
81.8844

■ 48.0473, 63.9551,  
82.0845

■ 51.3517, 65.6568,  
82.3188

■ 55.4358, 67.7605,  
82.5897

■ 60.3451, 70.2896,  
82.8993

■ 66.1216, 73.2657,  
83.2495

■ 72.8042, 76.7089,  
83.6421

# Harmonies

## Analogous

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



41.4286, 60.5997, 53.7402



41.5274, 60.5997, 81.4597



45.5985, 60.5997, 111.7963

# Triad

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



41.5274, 60.5997, 81.4597



71.9264, 60.5997, 110.4342



62.2904, 60.5997, 26.7317

# Complementary

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



41.5274, 60.5997, 81.4597



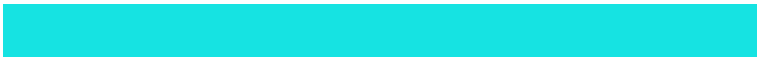
32.1221, 16.9685, 2.3946

# 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.



71.5375, 60.5997, 34.7870



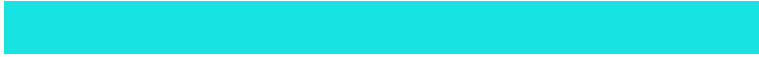
41.5274, 60.5997, 81.4597



77.5073, 60.5997, 79.9563

# Square

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



41.5274, 60.5997, 81.4597



62.7753, 60.5997, 131.4496



77.3575, 60.5997, 52.6019



52.7139, 60.5997, 26.9250



# Rectangle

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



41.5274, 60.5997, 81.4597



50.3074, 60.5997, 127.2167



77.3575, 60.5997, 52.6019



65.5615, 60.5997, 28.4395

# Sweetspot

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



41.5292, 60.6020, 81.4612



74.0420, 89.1762, 107.6343



28.0271, 55.2104, 9.9402



15.4070, 18.8602, 23.0099



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.



41.5292, 60.6020, 81.4612



53.6100, 78.6600, 105.9167



21.9077, 21.1382, 75.6008



14.8043, 16.3351, 18.5002



24.0186, 35.2395, 47.4597



1.7759, 2.6045, 3.5123



# Inverse Universe

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



32.1221, 16.9685, 2.3946



41.2468, 21.2627, 1.9660



38.6744, 30.0889, 4.5300



14.3799, 14.3691, 14.9349



18.4798, 9.5261, 0.8898

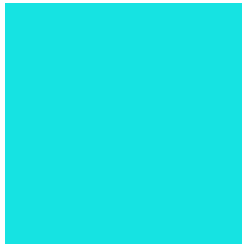


1.3666, 0.7044, 0.0711



# Previews

## White Background



This preview shows how the XYZ color 41.5274, 60.5997, 81.4597 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

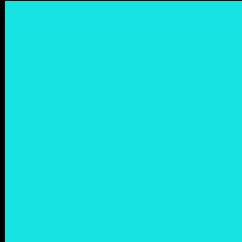
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.5274, 60.5997, 81.4597 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

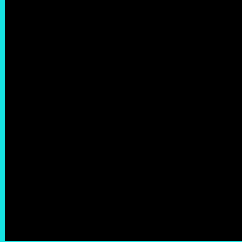
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

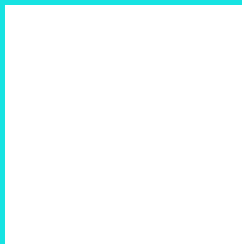
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 41.5274, 60.5997, 81.4597

## Background



This preview shows how black text looks on a background with the XYZ color 41.5274, 60.5997, 81.4597.



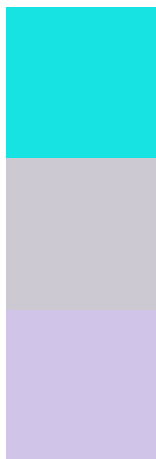
This preview shows how white text looks on a background with the XYZ color 41.5274, 60.5997,



# 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

41.5274, 60.5997, 81.4597

### Protanopia

57.4213, 59.2638, 69.3854

### Deuteranopia

60.6867, 59.2256, 85.3239



## Tritanopia

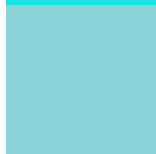
43.9600, 60.3632, 94.1283

# Trichromacy



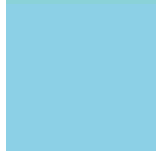
## Original Color

41.5274, 60.5997, 81.4597



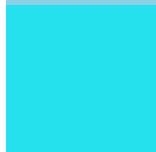
## Protanomaly

45.9225, 56.4543, 73.4422



## Deuteranomaly

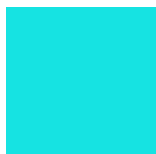
47.6540, 56.4004, 83.2376



## Tritanomaly

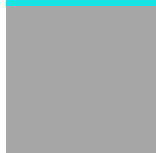
42.9742, 60.3582, 89.5061

# Monochromacy



## Original Color

41.5274, 60.5997, 81.4597



## Achromatopsia

36.2450, 38.1326, 41.5264



## Achromatomaly

33.9998, 43.1747, 54.1185

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.5274, 60.5997, 81.4597 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(22, 227, 226)` looks like.

```
.text, #text, p{  
    color:rgb(22, 227, 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(22, 227, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 227, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 41.5274, 60.5997, 81.4597 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(22, 227, 226) }
```



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

```
.border{ border-color:rgb(22, 227, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 227, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 227, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 227, 226);  
box-shadow:4px 4px 4px 4px rgb(22, 227,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.5274, 60.5997, 81.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 227, 226) }
```

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

```
.background{ background-color: rgb(22, 227,  
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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