

# Converting Colors

XYZ(42.5276, 60.5813, 89.6258)

Have a look what the booklet for  
XYZ(42.5276, 60.5813, 89.6258)  
contains.

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# Color

**XYZ(42.4824, 60.5071,  
89.5608)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E2ED
RGB	0, 226, 237
RGB Percent	0%, 89%, 93%
CMY	0.9997, 0.1137, 0.0706
CMYK	1.00, 0.05, 0.00, 0.07
HSL	183°, 100%, 46%
HSV	183°, 100%, 93%
XYZ	42.4824, 60.5071, 89.5608
YIQ	159.6800, -138.2270, -44.4910

# Conversions

## Conversions Part 2

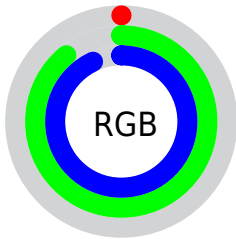
Format	Color
<a href="#">RYB</a>	<a href="#">0, 116, 237</a>
Decimal	<a href="#">58093</a>
CIELab	<a href="#">82.11, -40.61, -18.23</a>
CIELCh	<a href="#">82, 44.515, 204.176</a>
Yxy	<a href="#">60.5071, 0.2206, 0.3142</a>
Android (android.graphics.Color)	<a href="#">4278248173</a> ( <a href="#">0xFF00E2ED</a> )
YUV	<a href="#">159.6800, 38.1188, -140.0394</a>
Hunter-Lab	<a href="#">77.7863, -38.6396, -13.8143</a>

# Details

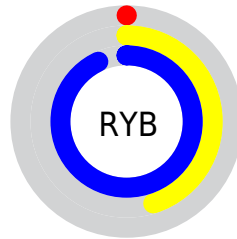
The XYZ color **42.4824, 60.5071, 89.5608** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **35.0463, 18.2457, 1.6765**, and the grayscale version is **33.1516, 34.8781, 37.9823**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **22.7152, 32.0856, 48.7120** is the 20% darker color. If you saturate the color by 10%, you get **42.4827, 60.5073, 89.5620**, and if you desaturate by 10%, it is **43.1547, 61.3005, 89.6796**.

# Distribution



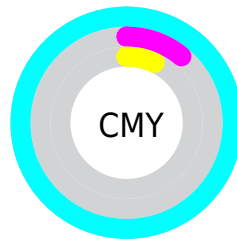
- Red (0%)
- Green (89%)
- Blue (93%)



- Red (0%)
- Yellow (45%)
- Blue (93%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (11%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4824, 60.5071, 89.5608 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 42.4824, 60.5071, 89.5608 by changing the saturation by 10% instead.



42.4824, 60.5071,  
89.5608

42.4824, 60.5071,  
89.5608

347.4365,  
426.4644, 547.1343

29.6720, 43.8275,  
67.0448

78.1898, 105.5649,  
148.6584

19.7366, 30.5349,  
48.6592

101.8175,  
134.7120, 186.0770

12.3108, 20.2450,  
33.9855

129.7816,  
168.7836, 229.3002

7.0295, 12.5732,  
22.6052

162.4475,  
208.1642, 278.7466

3.5270, 7.1353,  
14.0997

200.1806,  
253.2382, 334.8346

1.4382, 3.5469,  
8.0505

243.3462,

0.2832, 1.4235,

304.3899, 397.9829

4.0390

292.3098,  
362.0039, 468.6099

■ 0.0000, 0.2339,  
1.6468

■ 0.0000, 0.0000,  
0.3239

■ 42.4824, 60.5071,  
89.5608

■ 42.4824, 60.5071,  
89.5608

■ 42.4827, 60.5073,  
89.5620

■ 43.1547, 61.3005,  
89.6796

■ 44.2795, 62.3287,  
89.8188

■ 46.0003, 63.6671,  
89.9865

■ 48.4008, 65.3587,  
90.1865

■ 51.5515, 67.4400,  
90.4221

■ 55.5140, 69.9426,  
90.6963

■ 60.3435, 72.8950,  
91.0117

■ 66.0902, 76.3232,  
91.3705

■ 72.8009, 80.2512,  
91.7750

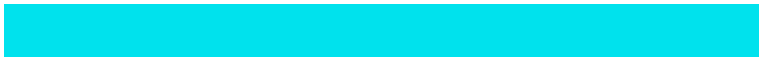
# Harmonies

## Analogous

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



41.2691, 60.5071, 60.7441



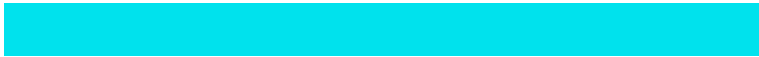
42.4824, 60.5071, 89.5608



47.5222, 60.5071, 117.6915

# Triad

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



42.4824, 60.5071, 89.5608



73.5278, 60.5071, 101.2531



59.3727, 60.5071, 26.5033

# Complementary

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



42.4824, 60.5071, 89.5608



35.0463, 18.2457, 1.6765

# 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.



68.8079, 60.5071, 32.0686



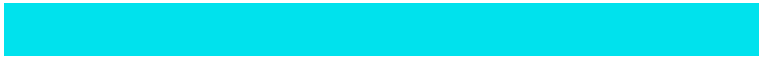
42.4824, 60.5071, 89.5608



77.5351, 60.5071, 71.3017

# Square

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



42.4824, 60.5071, 89.5608



65.2730, 60.5071, 125.6337



75.7199, 60.5071, 46.7944



50.3886, 60.5071, 28.9125



# Rectangle

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



42.4824, 60.5071, 89.5608



52.6989, 60.5071, 129.6602



75.7199, 60.5071, 46.7944



62.6057, 60.5071, 27.4419

# Sweetspot

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



42.4843, 60.5093, 89.5623



71.1626, 86.0194, 107.4605



30.3291, 60.5871, 10.3246



14.6889, 18.0823, 22.9660



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.



42.4843, 60.5093, 89.5623



50.1494, 71.4188, 105.7498



20.9318, 17.4043, 82.3781



15.4543, 16.9950, 19.3881



23.2214, 33.0897, 48.9060



1.8420, 2.6354, 3.8465



# Inverse Universe

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



48.6542, 23.4973, 73.9248



57.4423, 27.7409, 87.2502



42.4420, 33.0370, 4.1417



15.6829, 15.3010, 18.8812



26.5764, 12.8332, 40.4320

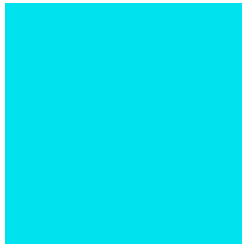


2.0962, 1.0115, 3.2241



# Previews

## White Background



This preview shows how the XYZ color 42.4824, 60.5071, 89.5608 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

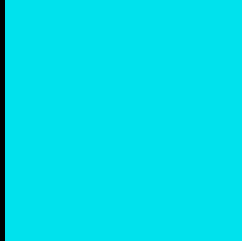
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.4824, 60.5071, 89.5608 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

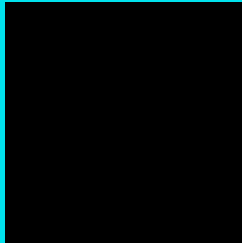
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.4824, 60.5071, 89.5608**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.4824, 60.5071, 89.5608.



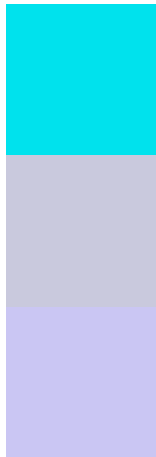
This preview shows how white text looks on a background with the XYZ color 42.4824, 60.5071,



# 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

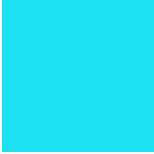
42.4824, 60.5071, 89.5608

### Protanopia

58.0252, 59.4113, 76.8159

### Deuteranopia

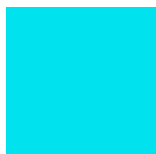
60.7289, 59.4158, 93.0617



## **Tritanopia**

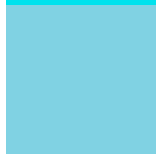
43.5549, 60.5545, 94.1866

# Trichromacy



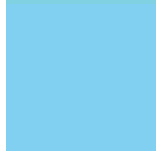
## Original Color

42.4824, 60.5071, 89.5608



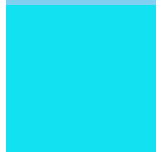
## Protanomaly

45.8138, 56.2284, 81.1116



## Deuteranomaly

47.4863, 56.1298, 91.5504



## Tritanomaly

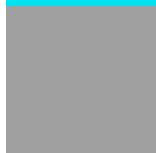
43.0336, 60.3205, 92.5940

# Monochromacy



## Original Color

42.4824, 60.5071, 89.5608



## Achromatopsia

33.4132, 35.1533, 38.2819



## Achromatomaly

31.6971, 40.7366, 53.7693

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.4824, 60.5071, 89.5608 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, 226, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 226, 237)  
}
```

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, 226, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 42.4824, 60.5071, 89.5608 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, 226, 237) }
```



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

```
.border{ border-color:rgb(0, 226, 237) }
```

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

Here you see how a box with a 4 pixel rgb(0, 226, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 226,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.4824, 60.5071, 89.5608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 226, 237) }
```

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

```
.background{ background-color: rgb(0, 226,  
237) }
```

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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