

# Converting Colors

XYZ(25.4637, 51.7756, 86.2053)

Have a look what the booklet for  
XYZ(25.4637, 51.7756, 86.2053)  
contains.

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# Color

**XYZ(42.0476, 60.3332,  
87.2712)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E2EA
RGB	0, 226, 234
RGB Percent	0%, 89%, 92%
CMY	0.9998, 0.1137, 0.0823
CMYK	1.00, 0.03, 0.00, 0.08
HSL	182°, 100%, 46%
HSV	182°, 100%, 92%
XYZ	42.0476, 60.3332, 87.2712
YIQ	159.3380, -137.2640, -45.4240

# Conversions

## Conversions Part 2

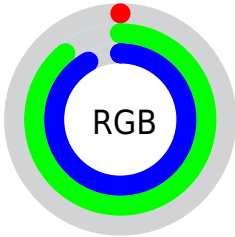
Format	Color
<a href="#">RYB</a>	0, 115, 234
Decimal	58090
CIELab	82.02, -41.51, -16.78
CIELCh	82, 44.778, 202.012
Yxy	60.3332, 0.2217, 0.3181
Android (android.graphics.Color)	4278248170 (0xFF00E2EA)
YUV	159.3380, 36.8084, -139.7394
Hunter-Lab	77.6744, -39.3027, -12.2432

# Details

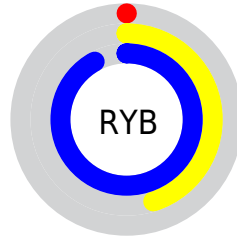
The XYZ color **42.0476, 60.3332, 87.2712** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **34.0200, 17.6677, 1.6189**, and the grayscale version is **33.0000, 34.7186, 37.8086**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.4106, 31.9638, 47.1079** is the 20% darker color. If you saturate the color by 10%, you get **42.0481, 60.3339, 87.2724**, and if you desaturate by 10%, it is **42.6308, 60.9588, 87.3624**.

# Distribution



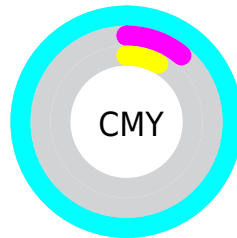
- Red (0%)
- Green (89%)
- Blue (92%)



- Red (0%)
- Yellow (45%)
- Blue (92%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)




- Cyan (100%)
- Magenta (11%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0476, 60.3332, 87.2712 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 42.0476, 60.3332, 87.2712 by changing the saturation by 10% instead.





 42.0476, 60.3332,  
87.2712


 42.0476, 60.3332,  
87.2712


345.6685,  
425.8248, 539.4529

 29.3298, 43.6873,  
65.1588


 77.5364, 105.3129,  
145.4443


 19.4760, 30.4247,  
47.1377

 101.0381,  
134.4154, 182.3420


 12.1208, 20.1612,  
32.7894


 128.8652,  
168.4389, 225.0052

 6.8988, 12.5123,  
21.6953

 161.3830,  
207.7677, 273.8525

 3.4446, 7.0936,  
13.4370

 198.9569,  
252.7864, 329.3024

 1.3930, 3.5207,  
7.5959

241.9522,

 0.2512, 1.4092,

303.8792, 391.7734

3.7535

290.7343,  
361.4305, 461.6841

■ 0.0000, 0.2235,  
1.4911

■ 0.0000, 0.0000,  
0.2113

■ 42.0476, 60.3332,  
87.2712

■ 42.0476, 60.3332,  
87.2712

■ 42.0481, 60.3339,  
87.2724

■ 42.6308, 60.9588,  
87.3624

■ 43.6517, 61.8104,  
87.4729

■ 45.2506, 62.9614,  
87.6108

■ 47.5085, 64.4536,  
87.7798

■ 50.4936, 66.3222,  
87.9832

■ 54.2655, 68.5980,  
88.2237

■ 58.8779, 71.3086,  
88.5037

■ 64.3794, 74.4791,  
88.8257

■ 70.8152, 78.1327,  
89.1918

# Harmonies

## Analogous

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



41.1177, 60.3332, 58.6997



42.0476, 60.3332, 87.2712



46.8387, 60.3332, 116.0393

# Triad

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



42.0476, 60.3332, 87.2712



72.9486, 60.3332, 103.3591



59.9163, 60.3332, 26.3633

# Complementary

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



42.0476, 60.3332, 87.2712



34.0200, 17.6677, 1.6189

# 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.



69.3153, 60.3332, 32.5339



42.0476, 60.3332, 87.2712



77.3622, 60.3332, 73.2200

# Square

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



42.0476, 60.3332, 87.2712



64.4535, 60.3332, 126.9697



75.9641, 60.3332, 48.0009



50.7792, 60.3332, 28.1996



# Rectangle

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



42.0476, 60.3332, 87.2712



51.8964, 60.3332, 128.9250



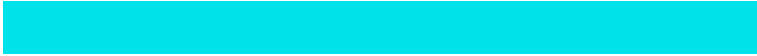
75.9641, 60.3332, 48.0009



63.1620, 60.3332, 27.4921

# Sweetspot

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



42.0495, 60.3354, 87.2727



71.4563, 86.6068, 107.5584



29.4670, 58.8641, 10.0345



14.7604, 18.2253, 22.9898



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.



42.0495, 60.3354, 87.2727



51.0915, 73.3030, 106.0638



20.3458, 16.9280, 80.0381



15.4710, 17.0284, 19.3936



23.6484, 33.9437, 49.0484



1.8708, 2.6931, 3.8561



# Inverse Universe

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



47.6607, 22.9851, 73.8784



57.9178, 27.9311, 89.7543



41.2445, 32.1168, 4.0271



15.6913, 15.3044, 18.9255



26.7919, 12.9194, 41.5670

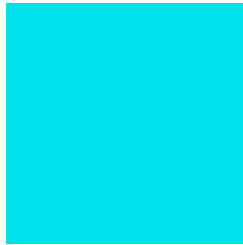


2.1108, 1.0173, 3.3008



# Previews

## White Background



This preview shows how the XYZ color 42.0476, 60.3332, 87.2712 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 42.0476, 60.3332, 87.2712 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

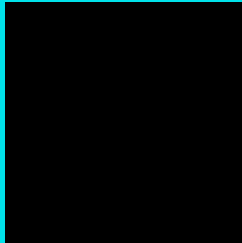
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

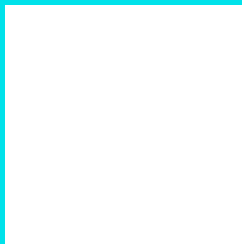
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.0476, 60.3332, 87.2712**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0476, 60.3332, 87.2712.



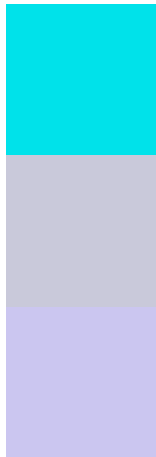
This preview shows how white text looks on a background with the XYZ color 42.0476, 60.3332,



# 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

42.0476, 60.3332, 87.2712

### Protanopia

57.6289, 59.2528, 74.7292

### Deuteranopia

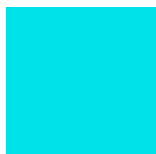
60.5509, 59.3759, 90.7074



## **Tritanopia**

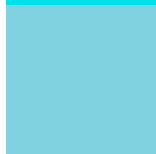
43.6985, 60.6286, 94.1933

# Trichromacy



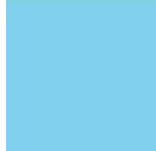
## Original Color

42.0476, 60.3332, 87.2712



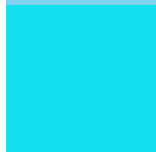
## Protanomaly

45.4032, 56.0642, 78.9495



## Deuteranomaly

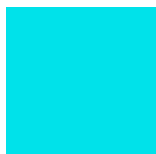
47.0418, 55.9519, 89.2094



## Tritanomaly

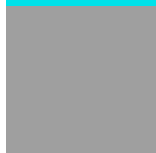
42.9419, 60.2904, 91.8120

# Monochromacy



## Original Color

42.0476, 60.3332, 87.2712



## Achromatopsia

32.9542, 34.6704, 37.7561



## Achromatomaly

31.1632, 40.1788, 52.5672

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0476, 60.3332, 87.2712 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 226, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0476, 60.3332, 87.2712 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, 234) }
```



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

```
.border{ border-color:rgb(0, 226, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 226,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0476, 60.3332, 87.2712 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, 234) }
```

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

```
.background{ background-color: rgb(0, 226,  
234) }
```

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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