

# Converting Colors

XYZ(43.7991, 62.5043, 91.9607)

Have a look what the booklet for  
XYZ(43.7991, 62.5043, 91.9607)  
contains.

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# Color

**XYZ(43.7475, 62.3299,  
92.1632)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E5F0
RGB	0, 229, 240
RGB Percent	0%, 90%, 94%
CMY	0.9997, 0.1019, 0.0588
CMYK	1.00, 0.05, 0.00, 0.06
HSL	183°, 100%, 47%
HSV	183°, 100%, 94%
XYZ	43.7475, 62.3299, 92.1632
YIQ	161.7830, -140.0150, -45.1270

# Conversions

## Conversions Part 2

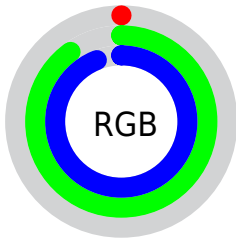
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 117, 240
Decimal	58864
CIELab	83.09, -41.06, -18.35
CIELCh	83, 44.970, 204.078
Yxy	62.3299, 0.2207, 0.3144
Android (android.graphics.Color)	4278248944 (0xFF00E5F0)
YUV	161.7830, 38.5610, -141.8837
Hunter-Lab	78.9493, -39.2506, -13.9490

# Details

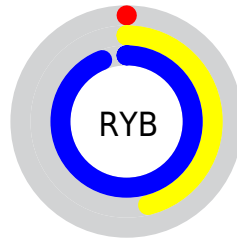
The XYZ color **43.7475, 62.3299, 92.1632** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light saturated cyan. A complement of this color would be **36.0565, 18.7665, 1.7239**, and the grayscale version is **34.1236, 35.9007, 39.0959**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **23.5953, 33.3478, 50.5406** is the 20% darker color. If you saturate the color by 10%, you get **43.7477, 62.3300, 92.1644**, and if you desaturate by 10%, it is **44.4323, 63.1375, 92.2842**.

# Distribution



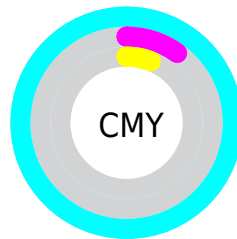
- Red (0%)
- Green (90%)
- Blue (94%)



- Red (0%)
- Yellow (46%)
- Blue (94%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (6%)




- Cyan (100%)
- Magenta (10%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7475, 62.3299, 92.1632 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 43.7475, 62.3299, 92.1632 by changing the saturation by 10% instead.





 43.7475, 62.3299,  
92.1632


 43.7475, 62.3299,  
92.1632


352.5465,  
433.1334, 555.7935


 30.6691, 45.2993,  
69.1924


 80.0864, 108.2022,  
152.3012

 20.4976, 31.6933,  
50.3957


 104.0775,  
137.8127, 190.3055

 12.8676, 21.1273,  
35.3545

 132.4370,  
172.3853, 234.1581

 7.4138, 13.2171,  
23.6504

 165.5302,  
212.3043, 284.2774

 3.7708, 7.5782,  
14.8647

 203.7224,  
257.9543, 341.0821

 1.5733, 3.8263,  
8.5789

247.3789,

 0.3749, 1.5769,

309.7195, 404.9906

4.3745

296.8652,  
367.9845, 476.4216

■ 0.0000, 0.3419,  
1.8330

■ 0.0000, 0.0000,  
0.4496

■ 43.7475, 62.3299,  
92.1632

■ 43.7475, 62.3299,  
92.1632

■ 43.7477, 62.3300,  
92.1644

■ 44.4323, 63.1375,  
92.2842

■ 45.5834, 64.1872,  
92.4261

■ 47.3481, 65.5560,  
92.5973

■ 49.8128, 67.2886,  
92.8018

■ 53.0501, 69.4223,  
93.0430

■ 57.1236, 71.9900,  
93.3240

■ 62.0901, 75.0209,  
93.6472

■ 68.0017, 78.5420,  
94.0153

■ 74.9062, 82.5779,  
94.4304

# Harmonies

## Analogous

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



42.5108, 62.3299, 62.4857



43.7475, 62.3299, 92.1632



48.9282, 62.3299, 121.1756

# Triad

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



43.7475, 62.3299, 92.1632



75.7256, 62.3299, 104.4147



61.1946, 62.3299, 27.2986

# Complementary

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



43.7475, 62.3299, 92.1632



36.0565, 18.7665, 1.7239

# 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.



70.9136, 62.3299, 33.0605



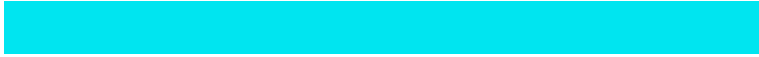
43.7475, 62.3299, 92.1632



79.8733, 62.3299, 73.5480

# Square

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



43.7475, 62.3299, 92.1632



67.2098, 62.3299, 129.4977



78.0226, 62.3299, 48.2662

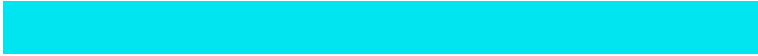


51.9315, 62.3299, 29.7537



# Rectangle

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



43.7475, 62.3299, 92.1632



54.2559, 62.3299, 133.5495



78.0226, 62.3299, 48.2662



64.5261, 62.3299, 28.2746

# Sweetspot

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



43.7494, 62.3322, 92.1647



71.1765, 86.0472, 107.4651



31.2056, 62.3392, 10.6196



14.6923, 18.0890, 22.9671



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.



43.7494, 62.3322, 92.1647



50.1938, 71.5075, 105.7646



21.5275, 17.8883, 84.7574



16.1817, 17.7974, 20.3040



23.9757, 34.1756, 50.4608



2.0136, 2.8812, 4.2042



# Inverse Universe

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



50.0797, 24.1843, 76.1596



57.4647, 27.7499, 87.3681



43.6595, 33.9725, 4.2582



16.4211, 16.0182, 19.7739



27.4274, 13.2434, 41.7629

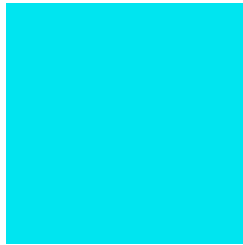


2.2913, 1.1056, 3.5249



# Previews

## White Background



This preview shows how the XYZ color 43.7475, 62.3299, 92.1632 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

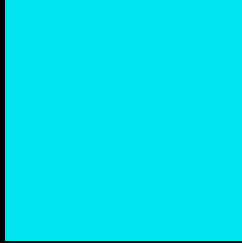
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.7475, 62.3299, 92.1632 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

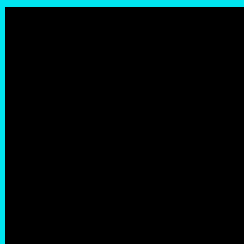
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

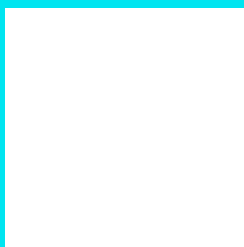
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 43.7475, 62.3299, 92.1632

## Background



This preview shows how black text looks on a background with the XYZ color 43.7475, 62.3299, 92.1632.



This preview shows how white text looks on a background with the XYZ color 43.7475, 62.3299,



# 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

43.7475, 62.3299, 92.1632

### Protanopia

59.6760, 61.2641, 79.2009

### Deuteranopia

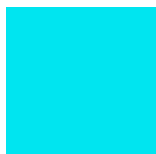
62.6980, 61.4062, 95.7368



## Tritanopia

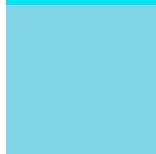
45.0108, 62.4491, 97.6772

# Trichromacy



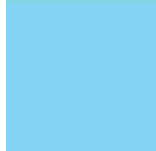
## Original Color

43.7475, 62.3299, 92.1632



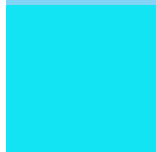
## Protanomaly

47.1304, 57.9688, 83.5680



## Deuteranomaly

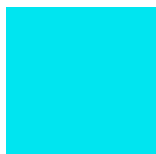
48.8293, 57.8660, 94.1836



## Tritanomaly

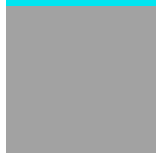
44.3220, 62.1471, 95.2475

# Monochromacy



## Original Color

43.7475, 62.3299, 92.1632



## Achromatopsia

34.3422, 36.1307, 39.3463



## Achromatomaly

32.4467, 41.7191, 55.0577

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7475, 62.3299, 92.1632 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, 229, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 229, 240)  
}
```

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, 229, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 229, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7475, 62.3299, 92.1632 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, 229, 240) }
```



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

```
.border{ border-color:rgb(0, 229, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 229, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 229, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 229, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 229,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7475, 62.3299, 92.1632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 229, 240) }
```

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

```
.background{ background-color: rgb(0, 229,  
240) }
```

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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