

Converting Colors

XYZ(42.0501, 63.0131, 79.0254)

Have a look what the booklet for
XYZ(42.0501, 63.0131, 79.0254)
contains.

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Color

**XYZ(42.0414, 62.9872,
79.0492)**

Conversions

Conversions Part 1

Format	Color
Hex	00E8DE
RGB	0, 232, 222
RGB Percent	0%, 91%, 87%
CMY	0.9998, 0.0902, 0.1294
CMYK	1.00, 0.00, 0.04, 0.09
HSL	177°, 100%, 46%
HSV	177°, 100%, 91%
XYZ	42.0414, 62.9872, 79.0492
YIQ	161.4920, -135.0620, -52.2940

Conversions

Conversions Part 2

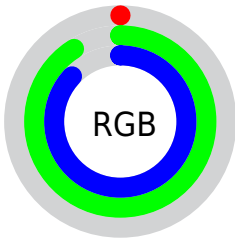
Format	Color
RYB	0, 119, 232
Decimal	59614
CIELab	83.44, -47.64, -8.31
CIELCh	83, 48.359, 189.897
Yxy	62.9872, 0.2284, 0.3422
Android (android.graphics.Color)	4278249694 (0xFF00E8DE)
YUV	161.4920, 29.8304, -141.6285
Hunter-Lab	79.3645, -44.3318, -3.4993

Details

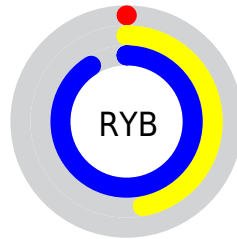
The XYZ color **42.0414, 62.9872, 79.0492** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **33.3355, 17.1795, 1.8476**, and the grayscale version is **34.0233, 35.7952, 38.9810**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.3050, 33.4500, 41.8401** is the 20% darker color. If you saturate the color by 10%, you get **42.0424, 62.9891, 79.0492**, and if you desaturate by 10%, it is **42.5363, 63.2282, 79.7759**.

Distribution



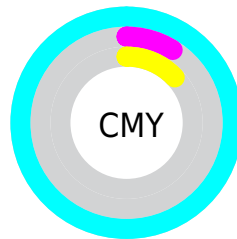
- Red (0%)
- Green (91%)
- Blue (87%)



- Red (0%)
- Yellow (47%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0414, 62.9872, 79.0492 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 42.0414, 62.9872, 79.0492 by changing the saturation by 10% instead.


 42.0414, 62.9872,
79.0492


 42.0414, 62.9872,
79.0492


345.6432,
435.5230, 511.3448


 29.3250, 45.8309,
58.4147


 77.5270, 109.1510,
133.8274


 19.4723, 32.1124,
41.7252

 101.0270,
138.9273, 168.8082

 12.1181, 21.4473,
28.5622


 128.8521,
173.6791, 209.4082

 6.8969, 13.4514,
18.5072

 161.3678,
213.7906, 256.0459

 3.4435, 7.7401,
11.1415

 198.9394,
259.6464, 309.1399

 1.3924, 3.9291,
6.0467

241.9323,

 0.2508, 1.6340,

311.6308, 369.1087

2.8043

290.7118,
370.1282, 436.3708

■ 0.0000, 0.3803,
0.9956

■ 0.0000, 0.0000,
0.0000

■ 42.0414, 62.9872,
79.0492

■ 42.0414, 62.9872,
79.0492

■ 42.0424, 62.9891,
79.0492

■ 42.5363, 63.2282,
79.7759

■ 43.4596, 63.6885,
80.5253

■ 44.9493, 64.4408,
81.3055

■ 47.0847, 65.5258,
82.1200

■ 49.9325, 66.9780,
82.9720

■ 53.5513, 68.8276,
83.8644

■ 57.9934, 71.1014,
84.7994

■ 63.3066, 73.8243,
85.7794

■ 69.5350, 77.0189,
86.8065

Harmonies

Analogous

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



42.7828, 62.9872, 50.5068



42.0414, 62.9872, 79.0492



45.6277, 62.9872, 112.9481

Triad

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



42.0414, 62.9872, 79.0492



73.8286, 62.9872, 123.4370



67.1059, 62.9872, 27.2442

Complementary

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



42.0414, 62.9872, 79.0492



33.3355, 17.1795, 1.8476

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.



76.7986, 62.9872, 37.6863



42.0414, 62.9872, 79.0492



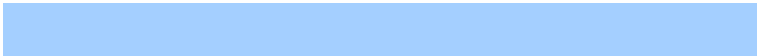
80.9847, 62.9872, 90.5255

Square

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



42.0414, 62.9872, 79.0492



63.4185, 62.9872, 143.1119



82.1312, 62.9872, 59.0828



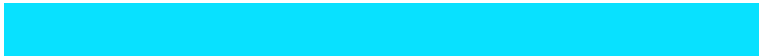
56.4514, 62.9872, 25.8257

Rectangle

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



42.0414, 62.9872, 79.0492



50.2682, 62.9872, 132.0392



82.1312, 62.9872, 59.0828



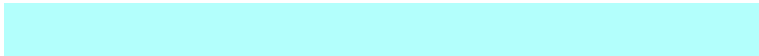
70.6170, 62.9872, 29.6299

Sweetspot

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



42.0433, 62.9896, 79.0507



71.7584, 88.0536, 105.0615



29.0046, 57.7910, 9.6275



14.8341, 18.5782, 22.3810



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.



42.0433, 62.9896, 79.0507



52.0898, 78.0519, 97.9116



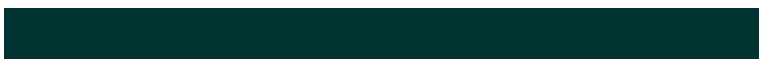
22.2369, 21.1672, 79.2602



14.7792, 16.3251, 18.3680



23.3520, 34.9729, 43.9494



1.7340, 2.5877, 3.2918

Inverse Universe

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



33.3355, 17.1795, 1.8476



41.3004, 21.2842, 2.2480



38.2737, 27.1437, 3.2234



14.4021, 14.3780, 15.0516



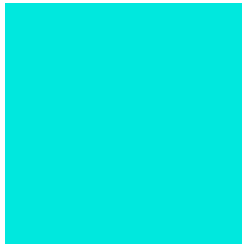
18.5172, 9.5411, 1.0867



1.3773, 0.7086, 0.1273

Previews

White Background



This preview shows how the XYZ color 42.0414, 62.9872, 79.0492 looks on a white background.

Color Contrast Check

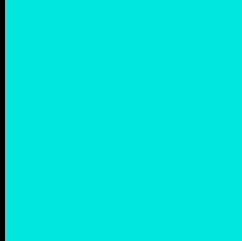
Large Text (above 18pt) WCAG AA × Fail

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 42.0414, 62.9872, 79.0492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

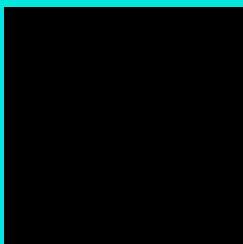
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

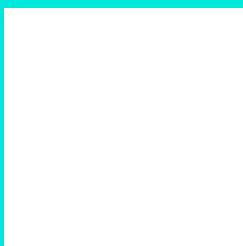
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0414, 62.9872, 79.0492

Background



This preview shows how black text looks on a background with the XYZ color 42.0414, 62.9872, 79.0492.

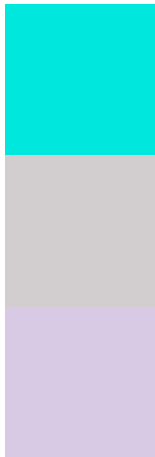


This preview shows how white text looks on a background with the XYZ color 42.0414, 62.9872,

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

42.0414, 62.9872, 79.0492

Protanopia

59.5502, 61.8205, 67.1864

Deuteranopia

63.3484, 62.0294, 82.7628



Tritanopia

45.8473, 62.8803, 97.7164

Trichromacy



Original Color

42.0414, 62.9872, 79.0492



Protanomaly

46.0156, 58.4227, 71.1388



Deuteranomaly

47.5875, 57.8963, 80.6185



Tritanomaly

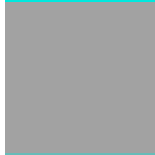
44.0476, 62.5187, 90.6347

Monochromacy



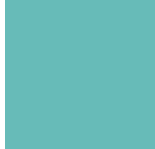
Original Color

42.0414, 62.9872, 79.0492



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

32.0156, 41.8849, 51.7446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0414, 62.9872, 79.0492 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, 232, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 222)  
}
```

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, 232, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 222) }
```

Border

The CSS property to change the border of an element to XYZ 42.0414, 62.9872, 79.0492 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, 232, 222) }
```


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

```
.border{ border-color:rgb(0, 232, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 232, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 232, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 232, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 232,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0414, 62.9872, 79.0492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 232, 222) }
```

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

```
.background{ background-color: rgb(0, 232,  
222) }
```

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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