

Converting Colors

XYZ(41.9472, 63.8554, 75.7601)

Have a look what the booklet for
XYZ(41.9472, 63.8554, 75.7601)
contains.

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Color

**XYZ(41.9472, 63.8554,
75.7601)**

Conversions

Conversions Part 1

Format	Color
Hex	00EAD9
RGB	0, 234, 217
RGB Percent	0%, 92%, 85%
CMY	0.9998, 0.0823, 0.1490
CMYK	1.00, 0.00, 0.07, 0.08
HSL	176°, 100%, 46%
HSV	176°, 100%, 92%
XYZ	41.9472, 63.8554, 75.7601
YIQ	162.0960, -134.0070, -54.8950

Conversions

Conversions Part 2

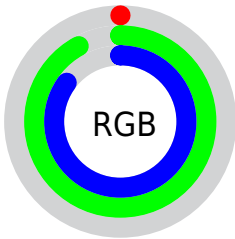
Format	Color
RYB	0, 121, 234
Decimal	60121
CIELab	83.89, -49.88, -5.00
CIELCh	84, 50.134, 185.723
Yxy	63.8554, 0.2310, 0.3517
Android (android.graphics.Color)	4278250201 (0xFF00EAD9)
YUV	162.0960, 27.0677, -142.1582
Hunter-Lab	79.9096, -46.1412, -0.2745

Details

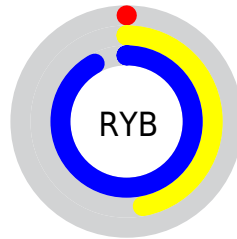
The XYZ color **41.9472, 63.8554, 75.7601** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **34.0350, 17.5348, 2.1232**, and the grayscale version is **34.3178, 36.1050, 39.3184**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.2437, 34.0529, 39.5829** is the 20% darker color. If you saturate the color by 10%, you get **41.9479, 63.8573, 75.7590**, and if you desaturate by 10%, it is **42.5346, 64.1340, 76.9498**.

Distribution



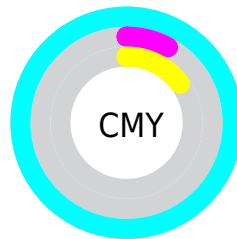
- Red (0%)
- Green (92%)
- Blue (85%)



- Red (0%)
- Yellow (47%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (8%)



- Cyan (100%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9472, 63.8554, 75.7601 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 41.9472, 63.8554, 75.7601 by changing the saturation by 10% instead.

41.9472, 63.8554,
75.7601

41.9472, 63.8554,
75.7601

345.2594,
438.6673, 499.8510

29.2509, 46.5336,
55.7303

77.3854, 110.4027,
129.1447

19.4159, 32.6671,
39.5842

100.8579,
140.3969, 163.3366

12.0770, 21.8715,
26.9032

128.6533,
175.3840, 203.0864

6.8687, 13.7625,
17.2687

161.1368,
215.7485, 248.8125

3.4257, 7.9557,
10.2623

198.6738,
261.8746, 300.9334

1.3827, 4.0666,
5.4653

241.6297,

0.2438, 1.7109,

314.1469, 359.8678

2.4593

290.3697,
372.9496, 426.0342

■ 0.0000, 0.4307,
0.8185

■ 0.0000, 0.0000,
0.0000

■ 41.9472, 63.8554,
75.7601

■ 41.9472, 63.8554,
75.7601

■ 41.9479, 63.8573,
75.7590

■ 42.5346, 64.1340,
76.9498

■ 43.5610, 64.6372,
78.1705

■ 45.1666, 65.4386,
79.4303

■ 47.4324, 66.5802,
80.7330

■ 50.4268, 68.0971,
82.0818

■ 54.2092, 70.0200,
83.4796

■ 58.8334, 72.3766,
84.9289

■ 64.3480, 75.1919,
86.4320

■ 70.7983, 78.4893,
87.9911

Harmonies

Analogous

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



43.3454, 63.8554, 47.4326



41.9472, 63.8554, 75.7601



45.0566, 63.8554, 111.3455

Triad

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



41.9472, 63.8554, 75.7601



73.9318, 63.8554, 131.3877



69.8332, 63.8554, 27.5673

Complementary

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



41.9472, 63.8554, 75.7601



34.0350, 17.5348, 2.1232

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.



79.5827, 63.8554, 39.7605



41.9472, 63.8554, 75.7601



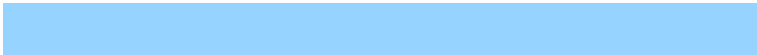
82.1425, 63.8554, 97.5982

Square

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



41.9472, 63.8554, 75.7601



62.8315, 63.8554, 149.1306



84.3261, 63.8554, 63.6468



58.6029, 63.8554, 24.9222

Rectangle

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



41.9472, 63.8554, 75.7601



49.5184, 63.8554, 132.7362



84.3261, 63.8554, 63.6468



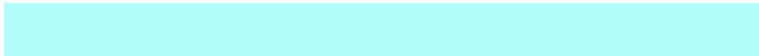
73.4328, 63.8554, 30.4561

Sweetspot

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



41.9491, 63.8578, 75.7616



71.4027, 87.9113, 103.1885



29.7035, 58.9918, 9.8225



14.7476, 18.5436, 21.9253



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.



41.9491, 63.8578, 75.7616



50.9685, 77.6034, 92.0069



23.7306, 23.6973, 81.1678



15.4677, 17.1019, 19.1456



23.5919, 35.8912, 42.6776



1.8667, 2.8240, 3.4258

Inverse Universe

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



34.0350, 17.5348, 2.1232



41.3536, 21.3054, 2.5281



38.2571, 26.1412, 3.0309



15.1099, 15.0718, 15.8639



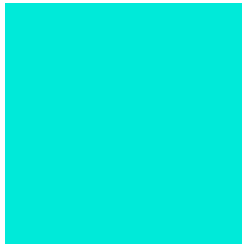
19.1414, 9.8593, 1.2803



1.5186, 0.7804, 0.1823

Previews

White Background



This preview shows how the XYZ color 41.9472, 63.8554, 75.7601 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 41.9472, 63.8554, 75.7601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

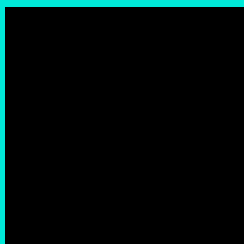
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

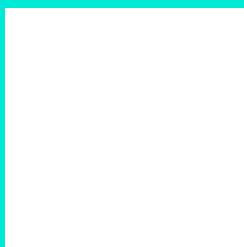
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9472, 63.8554, 75.7601

Background



This preview shows how black text looks on a background with the XYZ color 41.9472, 63.8554, 75.7601.

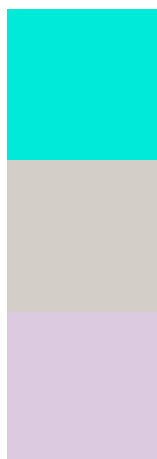


This preview shows how white text looks on a background with the XYZ color 41.9472, 63.8554,

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

41.9472, 63.8554, 75.7601

Protanopia

59.7653, 62.3567, 64.1444

Deuteranopia

64.0903, 62.8385, 79.2721



Tritanopia

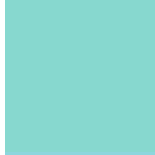
46.5935, 63.6567, 98.6382

Trichromacy



Original Color

41.9472, 63.8554, 75.7601



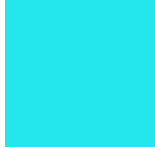
Protanomaly

45.8100, 58.7676, 67.9603



Deuteranomaly

47.9129, 58.8890, 77.2481



Tritanomaly

44.5895, 63.6413, 90.0547

Monochromacy



Original Color

41.9472, 63.8554, 75.7601



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

32.0202, 42.2274, 50.7190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9472, 63.8554, 75.7601 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, 234, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 217)  
}
```

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, 234, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 217) }
```

Border

The CSS property to change the border of an element to XYZ 41.9472, 63.8554, 75.7601 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, 234, 217) }
```


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

```
.border{ border-color:rgb(0, 234, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 234, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9472, 63.8554, 75.7601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 217) }
```

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

```
.background{ background-color: rgb(0, 234,  
217) }
```

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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