

Converting Colors

XYZ(43.8926, 64.3158, 73.6807)

Have a look what the booklet for
XYZ(43.8926, 64.3158, 73.6807)
contains.

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Color

**XYZ(44.0242, 64.5493,
73.7573)**

Conversions

Conversions Part 1

Format	Color
Hex	49E9D6
RGB	73, 233, 214
RGB Percent	29%, 91%, 84%
CMY	0.7137, 0.0863, 0.1608
CMYK	0.69, 0.00, 0.08, 0.09
HSL	173°, 78%, 60%
HSV	173°, 69%, 91%
XYZ	44.0242, 64.5493, 73.7573
YIQ	182.9940, -89.2610, -39.8290

Conversions

Conversions Part 2

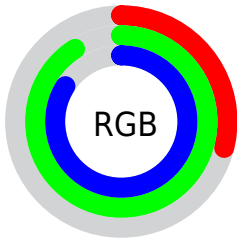
Format	Color
RYB	73, 158, 233
Decimal	4843990
CIELab	84.25, -45.26, -2.80
CIELCh	84, 45.342, 183.543
Yxy	64.5493, 0.2415, 0.3540
Android (android.graphics.Color)	4283034070 (0xFF49E9D6)
YUV	182.9940, 15.2860, -96.4647
Hunter-Lab	80.3426, -42.7894, 1.8095

Details

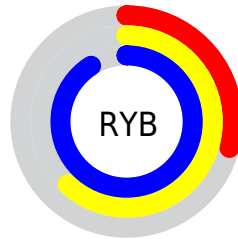
The XYZ color **44.0242, 64.5493, 73.7573** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **37.9208, 22.8634, 12.5421**, and the grayscale version is **44.9626, 47.3041, 51.5142**.

A 20% lighter version of the original color is **64.7945, 84.4027, 107.4841**, and **21.7833, 33.5539, 38.1293** is the 20% darker color. If you saturate the color by 10%, you get **42.2283, 63.6655, 71.8453**, and if you desaturate by 10%, it is **46.4908, 65.7812, 75.7350**.

Distribution



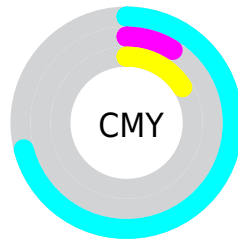
- Red (29%)
- Green (91%)
- Blue (84%)



- Red (29%)
- Yellow (62%)
- Blue (91%)



- Cyan (69%)
- Magenta (0%)
- Yellow (8%)
- Black (9%)





- Cyan (71%)
- Magenta (9%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.0242, 64.5493, 73.7573 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 44.0242, 64.5493, 73.7573 by changing the saturation by 10% instead.


 44.0242, 64.5493,
73.7573


 44.0242, 64.5493,
73.7573


353.6576,
441.1706, 492.7763


 30.8875, 47.0957,
54.0998


 80.5003, 111.4016,
126.2826


 20.6646, 33.1113,
38.2878


 104.5704,
141.5692, 159.9874

 12.9901, 22.2117,
25.9025


 133.0157,
176.7435, 199.2119

 7.4987, 14.0126,
16.5256

 166.2016,
217.3090, 244.3744

 3.8250, 8.1294,
9.7385

204.4933,
263.6501, 295.8936

 1.6036, 4.1779,
5.1226

248.2563,

 0.3948, 1.7735,

316.1511, 354.1879

2.2594

297.8560,
375.1965, 419.6760

■ 0.0000, 0.4706,
0.7083

■ 0.0000, 0.0000,
0.0000

■ 44.0242, 64.5493,
73.7573

■ 44.0242, 64.5493,
73.7573

■ 42.2283, 63.6655,
71.8453

■ 46.4908, 65.7812,
75.7350

■ 41.0192, 63.0820,
69.9904


■ 49.6885, 67.3878,
77.7769


■ 40.2830, 62.7415,
68.1888


■ 53.6776, 69.4017,
79.8875


■ 40.1993, 62.7036,
67.9515


■ 58.5102, 71.8497,
82.0694

 64.2342, 74.7565,
84.3250

 70.8938, 78.1450,
86.6564

 78.5303, 82.0363,
89.0658

 85.5406, 85.6041,
91.4783

 85.9462, 85.7663,
93.6142

Harmonies

Analogous

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



45.6350, 64.5493, 48.4085



44.0242, 64.5493, 73.7573



46.6219, 64.5493, 105.4909

Triad

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



44.0242, 64.5493, 73.7573



72.6547, 64.5493, 127.1979



70.3652, 64.5493, 31.4836

Complementary

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



44.0242, 64.5493, 73.7573



37.9208, 22.8634, 12.5421

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.



78.8980, 64.5493, 43.9361



44.0242, 64.5493, 73.7573



80.3179, 64.5493, 97.9180

Square

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



44.0242, 64.5493, 73.7573



62.5535, 64.5493, 141.2050



82.7178, 64.5493, 66.9200



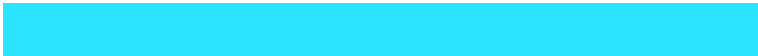
60.1663, 64.5493, 28.2701

Rectangle

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



44.0242, 64.5493, 73.7573



50.5766, 64.5493, 124.8173



82.7178, 64.5493, 66.9200



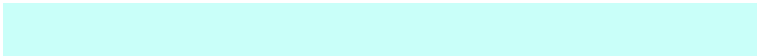
73.5588, 64.5493, 34.5221

Sweetspot

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



44.0261, 64.5518, 73.7588



77.0113, 90.8171, 102.7990



34.9940, 61.1588, 16.2653



16.0587, 19.2227, 21.8382



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.



44.0261, 64.5518, 73.7588



51.1885, 77.8210, 87.3084



32.6584, 37.7034, 82.6497



15.4362, 17.0893, 18.9796



22.8397, 35.5903, 38.7164



1.8153, 2.8034, 3.1549

Inverse Universe

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



37.9208, 22.8634, 12.5421



43.3419, 23.6577, 8.1986



43.0154, 34.2195, 10.6428



15.1382, 15.0831, 16.0132



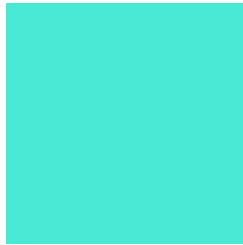
19.2078, 9.8858, 1.6299



1.5321, 0.7858, 0.2536

Previews

White Background



This preview shows how the XYZ color 44.0242, 64.5493, 73.7573 looks on a white background.

Color Contrast Check

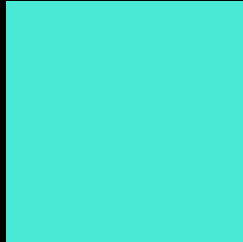
Large Text (above 18pt) WCAG AA × Fail

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 44.0242, 64.5493, 73.7573 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

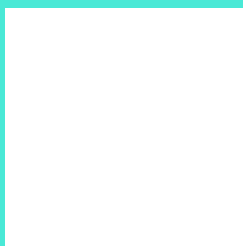
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.0242, 64.5493, 73.7573

Background



This preview shows how black text looks on a background with the XYZ color 44.0242, 64.5493, 73.7573.

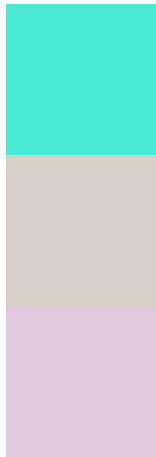


This preview shows how white text looks on a background with the XYZ color 44.0242, 64.5493,

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

44.0242, 64.5493, 73.7573

Protanopia

60.7128, 63.5780, 63.7155

Deuteranopia

64.6031, 63.1495, 77.1907



Tritanopia

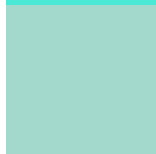
48.7484, 64.3759, 97.8522

Trichromacy



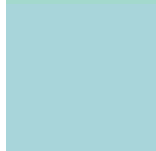
Original Color

44.0242, 64.5493, 73.7573



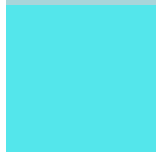
Protanomaly

50.9366, 61.8200, 67.0054



Deuteranomaly

52.5976, 60.9753, 75.3269



Tritanomaly

46.9484, 64.4766, 88.5681

Monochromacy



Original Color

44.0242, 64.5493, 73.7573



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

41.9519, 51.5080, 58.7699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.0242, 64.5493, 73.7573 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(73, 233, 214)` looks like.

```
.text, #text, p{  
    color:rgb(73, 233, 214)  
}
```

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(73, 233, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 233, 214) }
```

Border

The CSS property to change the border of an element to XYZ 44.0242, 64.5493, 73.7573 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(73, 233, 214) }
```


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

```
.border{ border-color:rgb(73, 233, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 233, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 233, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 233, 214);  
box-shadow:4px 4px 4px 4px rgb(73, 233,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 44.0242, 64.5493, 73.7573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 233, 214) }
```

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

```
.background{ background-color: rgb(73, 233,  
214) }
```

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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