

Converting Colors

XYZ(42.5341, 55.9987,
103.1748)

Have a look what the booklet for
XYZ(42.5341, 55.9987, 103.1748)
contains.

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Color

**XYZ(42.4756, 55.8854,
103.1560)**

Conversions

Conversions Part 1

Format	Color
Hex	0AD7FF
RGB	10, 215, 255
RGB Percent	4%, 84%, 100%
CMY	0.9605, 0.1569, 0.0000
CMYK	0.96, 0.16, 0.00, 0.00
HSL	190°, 100%, 52%
HSV	190°, 96%, 100%
XYZ	42.4756, 55.8854, 103.1560
YIQ	158.2650, -135.0200, -31.0200

Conversions

Conversions Part 2

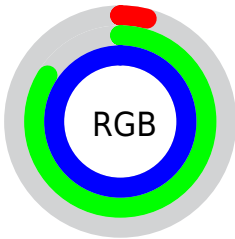
Format	Color
RYB	10, 122, 255
Decimal	710655
CIELab	79.55, -29.58, -31.69
CIELCh	80, 43.349, 226.976
Yxy	55.8854, 0.2108, 0.2773
Android (android.graphics.Color)	4278900735 (0xFF0AD7FF)
YUV	158.2650, 47.6904, -130.0284
Hunter-Lab	74.7565, -29.4028, -29.4843

Details

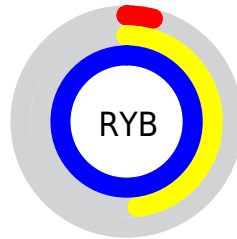
The XYZ color **42.4756, 55.8854, 103.1560** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **42.4389, 23.5695, 2.6019**, and the grayscale version is **32.4646, 34.1553, 37.1951**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **22.7638, 29.2188, 57.8661** is the 20% darker color. If you saturate the color by 10%, you get **41.9343, 54.9885, 103.0114**, and if you desaturate by 10%, it is **44.1379, 58.3377, 103.5417**.

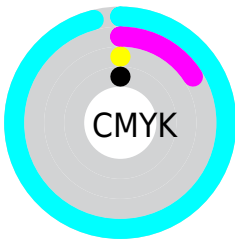
Distribution



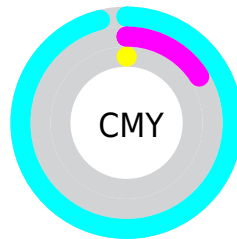
- Red (4%)
- Green (84%)
- Blue (100%)



- Red (4%)
- Yellow (48%)
- Blue (100%)



- Cyan (96%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (96%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4756, 55.8854, 103.1560 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 42.4756, 55.8854, 103.1560 by changing the saturation by 10% instead.

42.4756, 55.8854,
103.1560

42.4756, 55.8854,
103.1560

347.4089,
409.2595, 591.5973

29.6666, 40.1110,
78.3073

78.1796, 98.8370,
167.5771

19.7325, 27.6251,
57.8085

101.8053,
126.7830, 207.9866

12.3079, 18.0433,
41.2411

129.7673,
159.5551, 254.4202

7.0274, 10.9811,
28.1864

162.4309,
197.5376, 307.2963

3.5257, 6.0541,
18.2259

200.1615,
241.1148, 367.0335

1.4375, 2.8780,
10.9412

243.3245,

0.2827, 1.0684,

290.6713, 434.0504

5.9136

292.2852,
346.5914, 508.7655

■ 0.0000, 0.0000,
2.7247

■ 0.0000, 0.0000,
0.9558

■ 42.4756, 55.8854,
103.1560

■ 42.4756, 55.8854,
103.1560

■ 41.9343, 54.9885,
103.0114

■ 44.1379, 58.3377,
103.5417

■ 46.4554, 61.1670,
103.9657

■ 49.5458, 64.4355,
104.4337

■ 53.5026, 68.1915,
104.9501

■ 58.4059, 72.4767,
105.5188

■ 64.3263, 77.3278,
106.1431

■ 71.3277, 82.7778,
106.8261

■ 79.4684, 88.8572,
107.5705

■ 88.8028, 95.5944,
108.3789

Harmonies

Analogous

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



38.6363, 55.8854, 75.9801



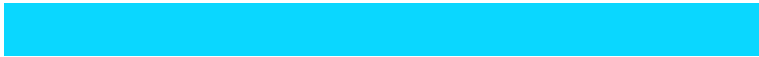
42.4756, 55.8854, 103.1560



49.4266, 55.8854, 120.6730

Triad

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



42.4756, 55.8854, 103.1560



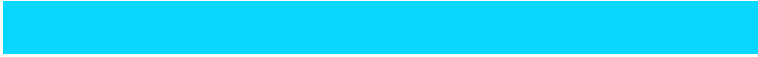
71.1916, 55.8854, 72.3293



48.3691, 55.8854, 25.4997

Complementary

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



42.4756, 55.8854, 103.1560



42.4389, 23.5695, 2.6019

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.



56.9875, 55.8854, 25.0225



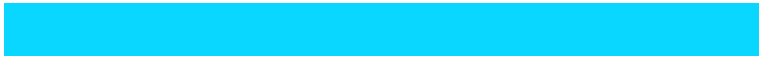
42.4756, 55.8854, 103.1560



70.8283, 55.8854, 47.8744

Square

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



42.4756, 55.8854, 103.1560



66.3472, 55.8854, 99.8609



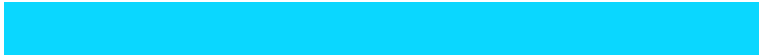
65.4029, 55.8854, 32.0547



41.7747, 55.8854, 33.6072

Rectangle

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



42.4756, 55.8854, 103.1560



55.1807, 55.8854, 122.0674



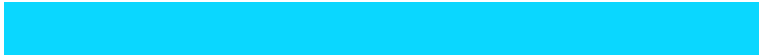
65.4029, 55.8854, 32.0547



51.1061, 55.8854, 24.5390

Sweetspot

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



42.4773, 55.8873, 103.1563



69.1455, 81.1053, 106.6183



36.3955, 71.7888, 14.6081



14.1618, 16.8628, 22.7584



0.0000, 0.0000, 0.0000



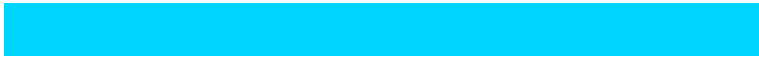
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.4773, 55.8873, 103.1563



41.9343, 54.9885, 103.0114



22.3407, 15.6141, 96.4441



18.2875, 19.9465, 23.1362



22.0055, 28.9205, 53.8570



2.2069, 2.9446, 5.2653

Inverse Universe

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



53.6155, 26.3852, 66.5588



53.2957, 26.0823, 65.4143



55.5346, 49.7609, 6.9672



18.6577, 18.2464, 22.0808



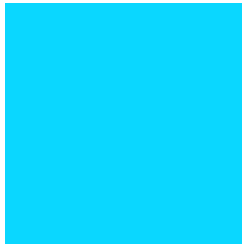
27.8955, 13.6475, 34.4300



2.7486, 1.3418, 3.5234

Previews

White Background



This preview shows how the XYZ color 42.4756, 55.8854, 103.1560 looks on a white background.

Color Contrast Check

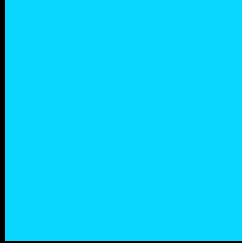
Large Text (above 18pt) WCAG AA × Fail

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 42.4756, 55.8854, 103.1560 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 42.4756, 55.8854, 103.1560

Background



This preview shows how black text looks on a background with the XYZ color 42.4756, 55.8854, 103.1560.

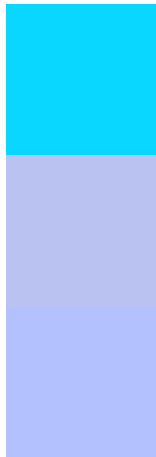


This preview shows how white text looks on a background with the XYZ color 42.4756, 55.8854,

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

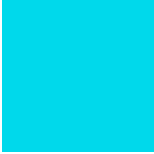
42.4756, 55.8854, 103.1560

Protanopia

55.0275, 55.1891, 90.1904

Deuteranopia

55.9424, 55.0632, 102.2875



Tritanopia

39.8083, 55.6239, 87.2356

Trichromacy



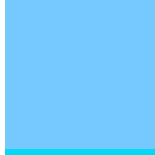
Original Color

42.4756, 55.8854, 103.1560



Protanomaly

45.4871, 52.8986, 94.1992



Deuteranomaly

46.4079, 52.8448, 102.3619



Tritanomaly

40.6329, 55.5484, 92.5847

Monochromacy



Original Color

42.4756, 55.8854, 103.1560



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

31.4547, 39.0335, 56.3285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4756, 55.8854, 103.1560 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(10, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(10, 215, 255)  
}
```

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(10, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 215, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.4756, 55.8854, 103.1560 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(10, 215, 255) }
```


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

```
.border{ border-color:rgb(10, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(10, 215,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4756, 55.8854, 103.1560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 215, 255) }
```

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

```
.background{ background-color: rgb(10, 215,  
255) }
```

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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