

Converting Colors

XYZ(39.8405, 51.2234,
249.5644)

Have a look what the booklet for
XYZ(39.8405, 51.2234, 249.5644)
contains.

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Color

**XYZ(42.3504, 55.8209,
103.1501)**

Conversions

Conversions Part 1

Format	Color
Hex	00D7FF
RGB	0, 215, 255
RGB Percent	0%, 84%, 100%
CMY	0.9997, 0.1569, 0.0000
CMYK	1.00, 0.16, 0.00, 0.00
HSL	189°, 100%, 50%
HSV	189°, 100%, 100%
XYZ	42.3504, 55.8209, 103.1501
YIQ	155.2750, -140.9800, -33.1400

Conversions

Conversions Part 2

Format	Color
RYB	0, 117, 255
Decimal	55295
CIELab	79.51, -29.79, -31.75
CIELCh	80, 43.541, 226.821
Yxy	55.8209, 0.2104, 0.2773
Android (android.graphics.Color)	4278245375 (0xFF00D7FF)
YUV	155.2750, 49.1644, -136.1762
Hunter-Lab	74.7134, -29.5678, -29.5570

Details

The XYZ color **42.3504, 55.8209, 103.1501** 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 **42.0015, 22.7824, 2.1858**, and the grayscale version is **31.1214, 32.7421, 35.6561**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **22.7638, 29.2188, 57.8661** is the 20% darker color. If you saturate the color by 10%, you get **42.3483, 55.8166, 103.1494**, and if you desaturate by 10%, it is **43.7976, 58.0990, 103.5136**.

Distribution



- Red (0%)
- Green (84%)
- Blue (100%)



- Red (0%)
- Yellow (46%)
- Blue (100%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3504, 55.8209, 103.1501 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 42.3504, 55.8209, 103.1501 by changing the saturation by 10% instead.


 42.3504, 55.8209,
103.1501


 42.3504, 55.8209,
103.1501


346.9004,
409.0162, 591.5784


 29.5681, 40.0593,
78.3024


 77.9915, 98.7427,
167.5690


 19.6574, 27.5848,
57.8045


 101.5810,
126.6717, 207.9772

 12.2531, 18.0129,
41.2379

 129.5036,
159.4253, 254.4094

 6.9897, 10.9593,
28.1839

 162.1246,
197.3879, 307.2841

 3.5019, 6.0395,
18.2241

 199.8095,
240.9439, 367.0198

 1.4244, 2.8691,
10.9399

242.9235,

 0.2735, 1.0638,

290.4777, 434.0350

5.9128

291.8320,
346.3736, 508.7484

■ 0.0000, 0.0000,
2.7242

■ 0.0000, 0.0000,
0.9556

■ 42.3504, 55.8209,
103.1501

■ 42.3504, 55.8209,
103.1501

■ 42.3483, 55.8166,
103.1494

■ 43.7976, 58.0990,
103.5136

■ 45.8077, 60.7034,
103.9104

■ 48.5467, 63.7211,
104.3485

■ 52.1153, 67.2043,
104.8327

■ 56.5982, 71.1968,
105.3671

■ 62.0692, 75.7369,
105.9550

■ 68.5948, 80.8592,
106.5998

■ 76.2352, 86.5949,
107.3042

■ 85.0463, 92.9731,
108.0709

Harmonies

Analogous

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



38.5186, 55.8209, 75.8254



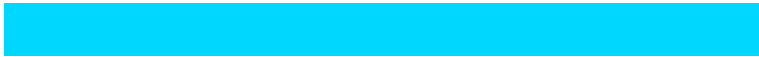
42.3504, 55.8209, 103.1501



49.3098, 55.8209, 120.8428

Triad

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



42.3504, 55.8209, 103.1501



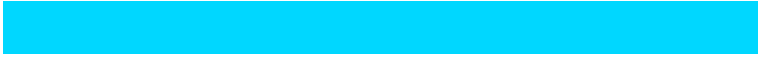
71.1925, 55.8209, 72.4476



48.3323, 55.8209, 25.3254

Complementary

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



42.3504, 55.8209, 103.1501



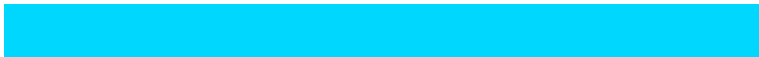
42.0015, 22.7824, 2.1858

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, 55.8209, 24.8856



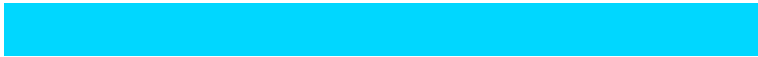
42.3504, 55.8209, 103.1501



70.8562, 55.8209, 47.8684

Square

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



42.3504, 55.8209, 103.1501



66.3028, 55.8209, 100.0986



65.4291, 55.8209, 31.9658



41.7029, 55.8209, 33.3981

Rectangle

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



42.3504, 55.8209, 103.1501



55.0806, 55.8209, 122.3170



65.4291, 55.8209, 31.9658



51.0818, 55.8209, 24.3771

Sweetspot

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



42.3521, 55.8228, 103.1504



68.5749, 80.8439, 106.5979



36.1158, 71.6624, 13.7889



14.0609, 16.8262, 22.7566



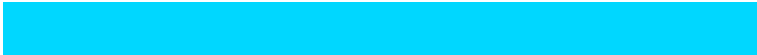
0.0000, 0.0000, 0.0000



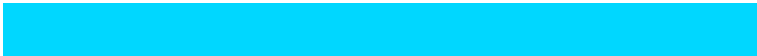
20.3446, 21.4041, 23.3091

Same Dimension

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



42.3521, 55.8228, 103.1504



42.3483, 55.8166, 103.1494



21.6480, 14.4147, 96.2491



18.2979, 19.9673, 23.1396



22.2190, 29.3476, 53.9282



2.2258, 2.9823, 5.2716

Inverse Universe

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



53.5069, 26.1680, 66.5227



53.5047, 26.1659, 66.5148



54.8358, 48.4509, 6.4639



18.6630, 18.2485, 22.1085



28.0033, 13.6906, 34.9976



2.7581, 1.3456, 3.5734

Previews

White Background



This preview shows how the XYZ color 42.3504, 55.8209, 103.1501 looks on a white background.

Color Contrast Check

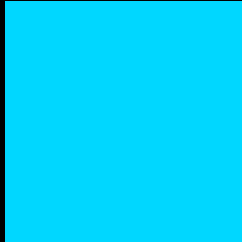
Large Text (above 18pt) WCAG AA × Fail

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 42.3504, 55.8209, 103.1501 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 42.3504, 55.8209, 103.1501

Background



This preview shows how black text looks on a background with the XYZ color 42.3504, 55.8209, 103.1501.

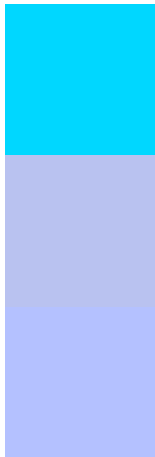


This preview shows how white text looks on a background with the XYZ color 42.3504, 55.8209,

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

42.3504, 55.8209, 103.1501

Protanopia

55.0275, 55.1891, 90.1904

Deuteranopia

55.9424, 55.0632, 102.2875



Tritanopia

39.8083, 55.6239, 87.2356

Trichromacy



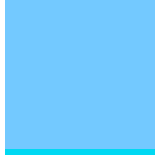
Original Color

42.3504, 55.8209, 103.1501



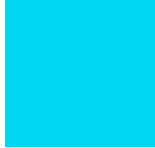
Protanomaly

45.0732, 52.6852, 94.1799



Deuteranomaly

46.0069, 52.6381, 102.3431



Tritanomaly

40.5829, 55.5225, 92.5824

Monochromacy



Original Color

42.3504, 55.8209, 103.1501



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

30.2717, 37.8585, 55.0022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3504, 55.8209, 103.1501 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, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.3504, 55.8209, 103.1501 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, 215, 255) }
```


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

```
.border{ border-color:rgb(0, 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(0, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 215,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3504, 55.8209, 103.1501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 215, 255) }
```

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

```
.background{ background-color: rgb(0, 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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