

Converting Colors

XYZ(41.6960, 55.1647,
100.9200)

Have a look what the booklet for
XYZ(41.6960, 55.1647, 100.9200)
contains.

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Color

**XYZ(41.6173, 55.1214,
100.5415)**

Conversions

Conversions Part 1

Format	Color
Hex	00D6FC
RGB	0, 214, 252
RGB Percent	0%, 84%, 99%
CMY	0.9997, 0.1608, 0.0118
CMYK	1.00, 0.15, 0.00, 0.01
HSL	189°, 100%, 49%
HSV	189°, 100%, 99%
XYZ	41.6173, 55.1214, 100.5415
YIQ	154.3460, -139.7420, -33.5500

Conversions

Conversions Part 2

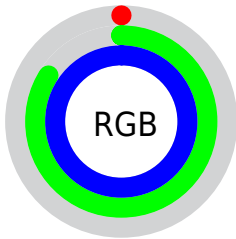
Format	Color
RYB	0, 116, 252
Decimal	55036
CIELab	79.11, -30.28, -30.77
CIELCh	79, 43.174, 225.458
Yxy	55.1214, 0.2110, 0.2794
Android (android.graphics.Color)	4278245116 (0xFF00D6FC)
YUV	154.3460, 48.1434, -135.3614
Hunter-Lab	74.2438, -29.8686, -28.3203

Details

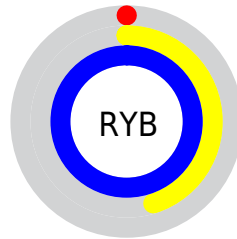
The XYZ color **41.6173, 55.1214, 100.5415** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **40.8414, 22.0871, 2.1129**, and the grayscale version is **30.7172, 32.3169, 35.1931**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **22.2485, 28.7364, 56.0038** is the 20% darker color. If you saturate the color by 10%, you get **41.6151, 55.1168, 100.5418**, and if you desaturate by 10%, it is **42.9993, 57.2797, 100.8863**.

Distribution



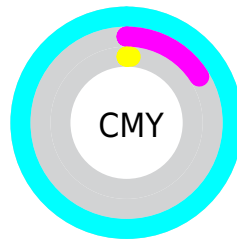
- Red (0%)
- Green (84%)
- Blue (99%)



- Red (0%)
- Yellow (45%)
- Blue (99%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (16%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6173, 55.1214, 100.5415 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 41.6173, 55.1214, 100.5415 by changing the saturation by 10% instead.

41.6173, 55.1214,
100.5415

41.6173, 55.1214,
100.5415

343.9127,
406.3719, 583.1889

28.9915, 39.4989,
76.1334

76.8889, 97.7188,
163.9595

19.2187, 27.1481,
56.0346

100.2655,
125.4625, 203.8065

11.9333, 17.6845,
39.8265

127.9563,
158.0154, 249.6369

6.7702, 10.7237,
27.0905

160.3268,
195.7620, 301.8693

3.3638, 5.8814,
17.4082

197.7424,
239.0865, 360.9221

1.3490, 2.7731,
10.3609

240.5683,

0.2194, 1.0144,

288.3734, 427.2140

5.5302

289.1700,
344.0071, 501.1634

■ 0.0000, 0.0000,
2.4975

■ 0.0000, 0.0000,
0.8388

■ 41.6173, 55.1214,
100.5415

■ 41.6173, 55.1214,
100.5415

■ 41.6151, 55.1168,
100.5418

■ 42.9993, 57.2797,
100.8863

■ 44.9265, 59.7516,
101.2619

■ 47.5611, 62.6219,
101.6771

■ 51.0009, 65.9413,
102.1365

■ 55.3281, 69.7524,
102.6440

■ 60.6144, 74.0924,
103.2031

■ 66.9242, 78.9946,
103.8168

■ 74.3162, 84.4895,
104.4878

■ 82.8445, 90.6053,
105.2187

Harmonies

Analogous

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



38.0021, 55.1214, 73.5598



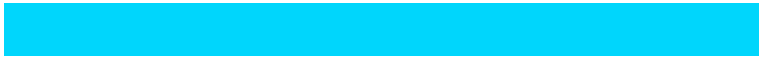
41.6173, 55.1214, 100.5415



48.3439, 55.1214, 118.5914

Triad

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



41.6173, 55.1214, 100.5415



70.1021, 55.1214, 72.7253



48.1023, 55.1214, 24.9412

Complementary

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



41.6173, 55.1214, 100.5415



40.8414, 22.0871, 2.1129

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.



56.6584, 55.1214, 24.8322



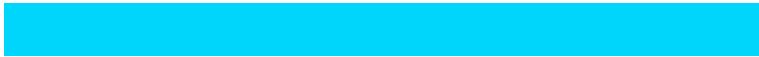
41.6173, 55.1214, 100.5415



70.0191, 55.1214, 48.2491

Square

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



41.6173, 55.1214, 100.5415



65.0963, 55.1214, 99.7882



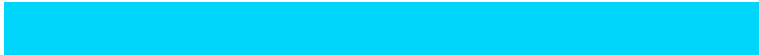
64.8805, 55.1214, 32.1744



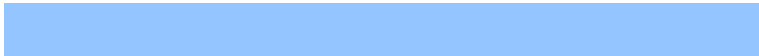
41.4572, 55.1214, 32.5290

Rectangle

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



41.6173, 55.1214, 100.5415



53.9813, 55.1214, 120.6564



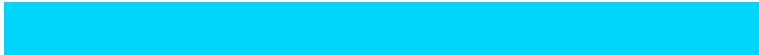
64.8805, 55.1214, 32.1744



50.8327, 55.1214, 24.1153

Sweetspot

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



41.6191, 55.1233, 100.5429



68.7138, 81.1218, 106.6442



35.1595, 69.7612, 13.4347



14.0945, 16.8934, 22.7678



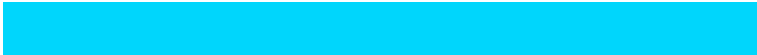
0.0000, 0.0000, 0.0000



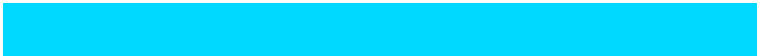
20.3446, 21.4041, 23.3091

Same Dimension

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



41.6191, 55.1233, 100.5429



42.7437, 56.6074, 103.2812



21.0824, 14.0498, 93.6973



17.5297, 19.1362, 22.1550



21.7648, 28.8851, 52.4018



2.0743, 2.7923, 4.8728

Inverse Universe

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



52.2842, 25.5526, 65.7966



53.7042, 26.2457, 67.5658



53.3906, 47.1855, 6.2960



17.8739, 17.4769, 21.1917



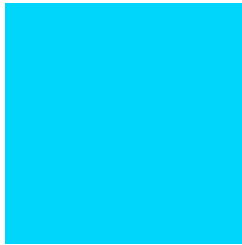
27.2779, 13.3269, 34.5013



2.5559, 1.2461, 3.3509

Previews

White Background



This preview shows how the XYZ color 41.6173, 55.1214, 100.5415 looks on a white background.

Color Contrast Check

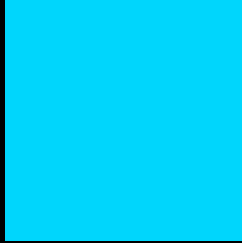
Large Text (above 18pt) WCAG AA × Fail

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 41.6173, 55.1214, 100.5415 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 41.6173, 55.1214, 100.5415

Background



This preview shows how black text looks on a background with the XYZ color 41.6173, 55.1214, 100.5415.

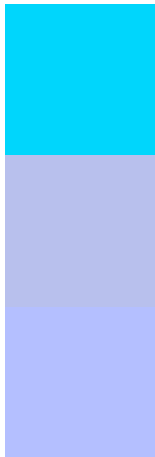


This preview shows how white text looks on a background with the XYZ color 41.6173, 55.1214,

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

41.6173, 55.1214, 100.5415

Protanopia

53.9029, 54.0040, 87.7036

Deuteranopia

55.5032, 54.1849, 102.1411



Tritanopia

39.2638, 54.9949, 85.6365

Trichromacy



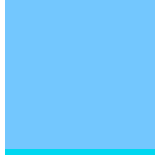
Original Color

41.6173, 55.1214, 100.5415



Protanomaly

44.0174, 51.5013, 91.6252



Deuteranomaly

45.3830, 51.6474, 101.3429



Tritanomaly

40.0286, 54.8921, 90.9236

Monochromacy



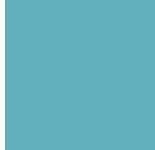
Original Color

41.6173, 55.1214, 100.5415



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.8566, 37.3650, 54.3538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6173, 55.1214, 100.5415 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, 214, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 252)  
}
```

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, 214, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 252) }
```

Border

The CSS property to change the border of an element to XYZ 41.6173, 55.1214, 100.5415 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, 214, 252) }
```


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

```
.border{ border-color:rgb(0, 214, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 214, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6173, 55.1214, 100.5415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 252) }
```

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

```
.background{ background-color: rgb(0, 214,  
252) }
```

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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