

Converting Colors

XYZ(43.6630, 55.5829,
109.6105)

Have a look what the booklet for
XYZ(43.6630, 55.5829, 109.6105)
contains.

XYZ(42.4093, 55.0998, 103.0079)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.4093, 55.0998,
103.0079)**

Conversions

Conversions Part 1

Format	Color
Hex	1FD5FF
RGB	31, 213, 255
RGB Percent	12%, 84%, 100%
CMY	0.8783, 0.1647, 0.0000
CMYK	0.88, 0.16, 0.00, 0.00
HSL	191°, 100%, 56%
HSV	191°, 88%, 100%
XYZ	42.4093, 55.0998, 103.0079
YIQ	163.3700, -121.9540, -25.5220

Conversions

Conversions Part 2

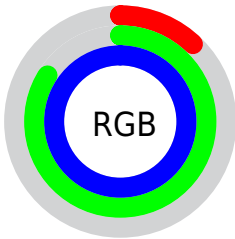
Format	Color
R _{YB}	31, 131, 255
Decimal	2086399
CIE Lab	79.10, -27.84, -32.37
CIE LCh	79, 42.695, 229.308
Yxy	55.0998, 0.2115, 0.2748
Android (android.graphics.Color)	4280276479 (0xFF1FD5FF)
YUV	163.3700, 45.1736, -116.0885
Hunter-Lab	74.2292, -27.9190, -30.3163

Details

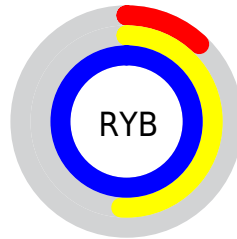
The XYZ color **42.4093, 55.0998, 103.0079** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **43.8721, 26.1278, 4.0293**, and the grayscale version is **34.8268, 36.6405, 39.9015**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **22.4199, 28.5309, 57.7514** is the 20% darker color. If you saturate the color by 10%, you get **40.7291, 52.4754, 102.5899**, and if you desaturate by 10%, it is **44.7262, 58.1071, 103.4662**.

Distribution



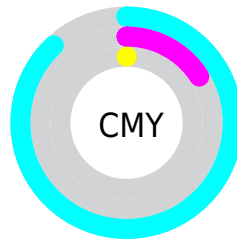
- Red (12%)
- Green (84%)
- Blue (100%)



- Red (12%)
- Yellow (51%)
- Blue (100%)



- Cyan (88%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (88%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4093, 55.0998, 103.0079 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 42.4093, 55.0998, 103.0079 by changing the saturation by 10% instead.

42.4093, 55.0998,
103.0079

42.4093, 55.0998,
103.0079

347.1397,
406.2901, 591.1227

29.6144, 39.4816,
78.1841

78.0800, 97.6872,
167.3724

19.6927, 27.1346,
57.7079

101.6865,
125.4251, 207.7502

12.2788, 17.6743,
41.1607

129.6277,
157.9719, 254.1498

7.0074, 10.7164,
28.1240

162.2687,
195.7117, 306.9896

3.5131, 5.8765,
18.1793

199.9751,
239.0290, 366.6883

1.4306, 2.7701,
10.9080

243.1122,

0.2778, 1.0129,

288.3083, 433.6643

5.8916

292.0452,
343.9339, 508.3363

■ 0.0000, 0.0000,
2.7116

■ 0.0000, 0.0000,
0.9492

■ 42.4093, 55.0998,
103.0079

■ 42.4093, 55.0998,
103.0079

■ 40.7291, 52.4754,
102.5899

■ 44.7262, 58.1071,
103.4662

■ 40.4075, 51.9349,
102.5025

■ 47.8042, 61.5589,
103.9703

■ 51.7416, 65.5072,
104.5248

■ 56.6206, 69.9949,
105.1339

■ 62.5134, 75.0597,
105.8009

■ 69.4850, 80.7353,
106.5290

■ 77.5949, 87.0530,
107.3210

■ 86.8980, 94.0414,
108.1795

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



38.3950, 55.0998, 76.8632



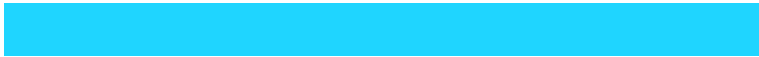
42.4093, 55.0998, 103.0079



49.3929, 55.0998, 118.8365

Triad

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



42.4093, 55.0998, 103.0079



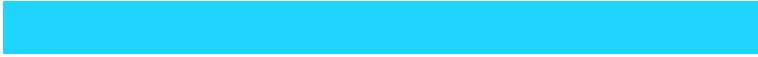
70.1532, 55.0998, 69.1164



47.1440, 55.0998, 25.7428

Complementary

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



42.4093, 55.0998, 103.0079



43.8721, 26.1278, 4.0293

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.



55.4659, 55.0998, 24.7199



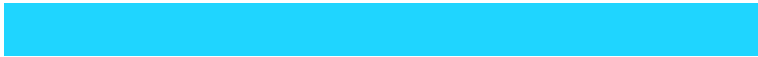
42.4093, 55.0998, 103.0079



69.3828, 55.0998, 45.7939

Square

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



42.4093, 55.0998, 103.0079



65.7845, 55.0998, 96.0326



63.7813, 55.0998, 31.0130



40.9168, 55.0998, 34.3317

Rectangle

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



42.4093, 55.0998, 103.0079



55.0624, 55.0998, 119.1469



63.7813, 55.0998, 31.0130



49.7682, 55.0998, 24.6112

Sweetspot

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



42.4109, 55.1017, 103.0081



70.8833, 81.8433, 106.6691



37.4987, 72.2809, 18.1218



14.6127, 17.0731, 22.7752



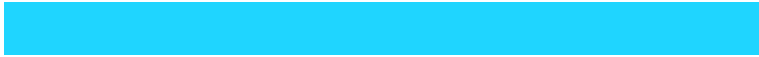
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



42.4109, 55.1017, 103.0081



40.4075, 51.9349, 102.5025



23.3628, 17.0055, 96.6588



18.2483, 19.8682, 23.1231



21.2176, 27.3447, 53.5944



2.1372, 2.8051, 5.2421

Inverse Universe

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



53.7414, 27.0458, 65.3405



52.5250, 25.7740, 61.3561



58.6441, 55.6718, 8.9533



18.6380, 18.2385, 21.9767



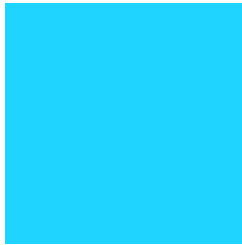
27.4978, 13.4884, 32.3357



2.7134, 1.3277, 3.3380

Previews

White Background



This preview shows how the XYZ color 42.4093, 55.0998, 103.0079 looks on a white background.

Color Contrast Check

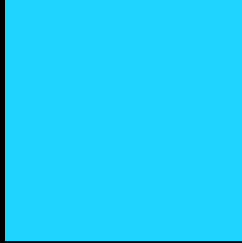
Large Text (above 18pt) WCAG AA × Fail

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 42.4093, 55.0998, 103.0079 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

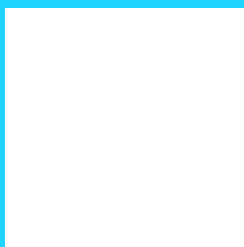
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4093, 55.0998, 103.0079

Background



This preview shows how black text looks on a background with the XYZ color 42.4093, 55.0998, 103.0079.

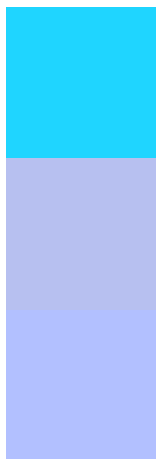


This preview shows how white text looks on a background with the XYZ color 42.4093, 55.0998,

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

42.4093, 55.0998, 103.0079

Protanopia

54.1063, 54.0578, 90.0206

Deuteranopia

55.2597, 54.3843, 102.1925



Tritanopia

39.2638, 54.9949, 85.6365

Trichromacy



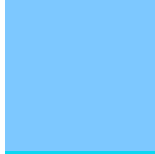
Original Color

42.4093, 55.0998, 103.0079



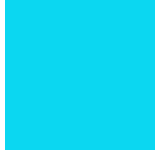
Protanomaly

46.0378, 52.4903, 94.0914



Deuteranomaly

47.1617, 52.8885, 102.3306



Tritanomaly

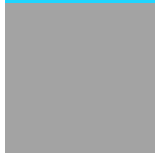
40.3156, 55.0229, 91.7147

Monochromacy



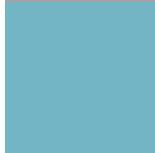
Original Color

42.4093, 55.0998, 103.0079



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

33.5579, 40.6781, 58.3075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4093, 55.0998, 103.0079 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(31, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(31, 213, 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(31, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 213, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.4093, 55.0998, 103.0079 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(31, 213, 255) }
```


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

```
.border{ border-color:rgb(31, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(31, 213,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4093, 55.0998, 103.0079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 213, 255) }
```

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

```
.background{ background-color: rgb(31, 213,  
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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