

Converting Colors

XYZ(42.9587, 55.0108,
102.9617)

Have a look what the booklet for
XYZ(42.9587, 55.0108, 102.9617)
contains.

XYZ(42.9587, 55.0108, 102.9617)	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(42.9587, 55.0108,
102.9617)**

Conversions

Conversions Part 1

Format	Color
Hex	33D4FF
RGB	51, 212, 255
RGB Percent	20%, 83%, 100%
CMY	0.7999, 0.1686, 0.0000
CMYK	0.80, 0.17, 0.00, 0.00
HSL	193°, 100%, 60%
HSV	193°, 80%, 100%
XYZ	42.9587, 55.0108, 102.9617
YIQ	168.7630, -109.7590, -20.7590

Conversions

Conversions Part 2

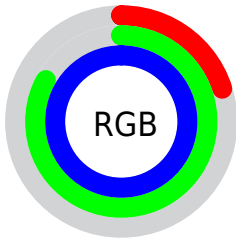
Format	Color
R _Y B	51, 141, 255
Decimal	3396863
CIE Lab	79.05, -25.97, -32.43
CIE LCh	79, 41.550, 231.310
Yxy	55.0108, 0.2138, 0.2738
Android (android.graphics.Color)	4281586943 (0xFF33D4FF)
YUV	168.7630, 42.5148, -103.2782
Hunter-Lab	74.1693, -26.4093, -30.3878

Details

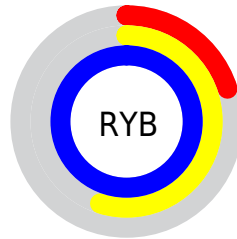
The XYZ color **42.9587, 55.0108, 102.9617** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **45.8420, 29.5072, 6.4134**, and the grayscale version is **37.4338, 39.3833, 42.8884**.

A 20% lighter version of the original color is **63.0159, 83.4858, 107.4008**, and **22.2500, 28.1912, 57.6948** is the 20% darker color. If you saturate the color by 10%, you get **40.6865, 51.8788, 102.4769**, and if you desaturate by 10%, it is **45.9822, 58.5986, 103.4949**.

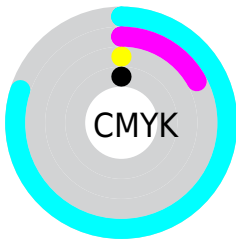
Distribution



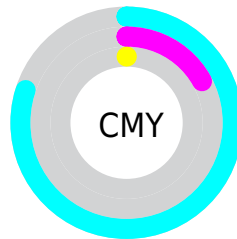
- Red (20%)
- Green (83%)
- Blue (100%)



- Red (20%)
- Yellow (55%)
- Blue (100%)



- Cyan (80%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9587, 55.0108, 102.9617 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 42.9587, 55.0108, 102.9617 by changing the saturation by 10% instead.

42.9587, 55.0108,
102.9617

42.9587, 55.0108,
102.9617

349.3663,
405.9529, 590.9746

30.0471, 39.4104,
78.1457

78.9046, 97.5568,
167.3086

20.0226, 27.0791,
57.6765

102.6697,
125.2711, 207.6765

12.5198, 17.6327,
41.1356

130.7832,
157.7922, 254.0654

7.1734, 10.6866,
28.1046

163.6107,
195.5045, 306.8939

3.6181, 5.8565,
18.1648

201.5173,
238.7923, 366.5806

1.4884, 2.7580,
10.8977

244.8686,

0.3179, 1.0067,

288.0400, 433.5439

5.8848

294.0298,
343.6321, 508.2024

■ 0.0000, 0.0000,
2.7075

■ 0.0000, 0.0000,
0.9472

■ 42.9587, 55.0108,
102.9617

■ 42.9587, 55.0108,
102.9617

■ 40.6865, 51.8788,
102.4769

■ 45.9822, 58.5986,
103.4949

■ 38.9958, 49.1113,
102.0319

■ 49.8533, 62.6893,
104.0804

■ 38.9947, 49.1094,
102.0316

■ 54.6584, 67.3293,
104.7228

■ 60.4718, 72.5573,
105.4255

67.3601, 78.4082,
106.1918

75.3838, 84.9139,
107.0246

84.5989, 92.1040,
107.9267

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.



38.8215, 55.0108, 78.0273



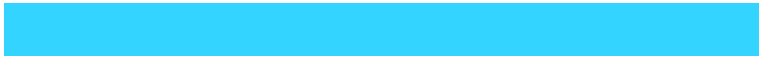
42.9587, 55.0108, 102.9617



49.9191, 55.0108, 117.1667

Triad

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



42.9587, 55.0108, 102.9617



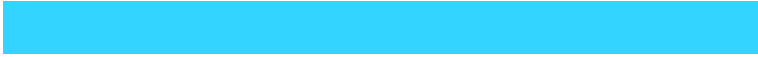
69.6414, 55.0108, 67.0483



46.7152, 55.0108, 26.6884

Complementary

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



42.9587, 55.0108, 102.9617



45.8420, 29.5072, 6.4134

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.



54.7268, 55.0108, 25.2047



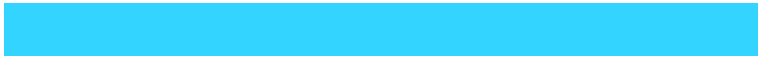
42.9587, 55.0108, 102.9617



68.5514, 55.0108, 44.8188

Square

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



42.9587, 55.0108, 102.9617



65.7123, 55.0108, 93.1304



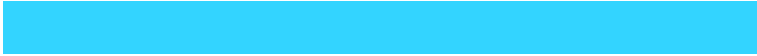
62.8745, 55.0108, 30.9090



40.8259, 55.0108, 35.6925

Rectangle

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



42.9587, 55.0108, 102.9617



55.4685, 55.0108, 116.6018



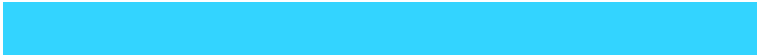
62.8745, 55.0108, 30.9090



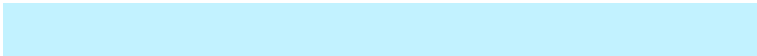
49.2278, 55.0108, 25.4083

Sweetspot

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



42.9603, 55.0127, 102.9620



72.0287, 82.2265, 106.6827



39.0498, 72.9937, 22.1138



14.8123, 17.1078, 22.7714



0.0000, 0.0000, 0.0000



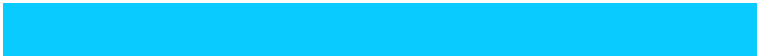
20.3446, 21.4041, 23.3091

Same Dimension

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



42.9603, 55.0127, 102.9620



39.6279, 50.1864, 102.2061



25.2338, 19.5596, 97.0531



18.2107, 19.7931, 23.1106



20.4879, 25.8854, 53.3511



2.0723, 2.6753, 5.2204

Inverse Universe

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



54.3086, 28.3828, 64.9053



52.1778, 25.8123, 58.9817



61.0864, 59.9962, 11.4948



18.6190, 18.2309, 21.8769



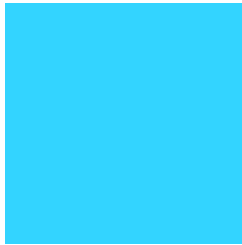
27.1296, 13.3411, 30.3964



2.6806, 1.3146, 3.1655

Previews

White Background



This preview shows how the XYZ color 42.9587, 55.0108, 102.9617 looks on a white background.

Color Contrast Check

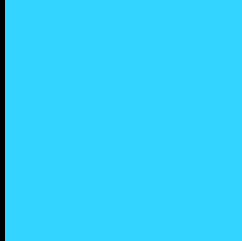
Large Text (above 18pt) WCAG AA × Fail

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 42.9587, 55.0108, 102.9617 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 42.9587, 55.0108, 102.9617

Background



This preview shows how black text looks on a background with the XYZ color 42.9587, 55.0108, 102.9617.

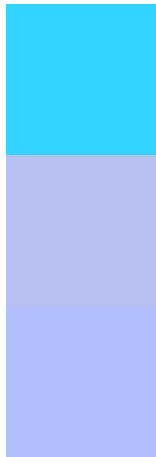


This preview shows how white text looks on a background with the XYZ color 42.9587, 55.0108,

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

42.9587, 55.0108, 102.9617

Protanopia

54.2553, 54.1174, 90.8052

Deuteranopia

55.0409, 53.9466, 102.1195



Tritanopia

39.5133, 55.1235, 85.6481

Trichromacy



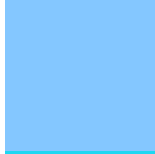
Original Color

42.9587, 55.0108, 102.9617



Protanomaly

47.0496, 52.6516, 94.8718



Deuteranomaly

47.9891, 52.9724, 102.3031



Tritanomaly

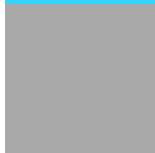
40.7130, 55.2278, 91.7333

Monochromacy



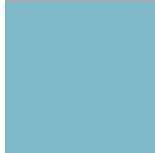
Original Color

42.9587, 55.0108, 102.9617



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

36.3785, 43.3037, 61.0847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9587, 55.0108, 102.9617 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(51, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 212, 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(51, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 212, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.9587, 55.0108, 102.9617 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(51, 212, 255) }
```


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

```
.border{ border-color:rgb(51, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 212,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9587, 55.0108, 102.9617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 212, 255) }
```

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

```
.background{ background-color: rgb(51, 212,  
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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