

Converting Colors

XYZ(42.7220, 54.5281,
102.8530)

Have a look what the booklet for
XYZ(42.7220, 54.5281, 102.8530)
contains.

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Color

**XYZ(42.7095, 54.5123,
102.8786)**

Conversions

Conversions Part 1

Format	Color
Hex	33D3FF
RGB	51, 211, 255
RGB Percent	20%, 83%, 100%
CMY	0.7999, 0.1725, 0.0000
CMYK	0.80, 0.17, 0.00, 0.00
HSL	193°, 100%, 60%
HSV	193°, 80%, 100%
XYZ	42.7095, 54.5123, 102.8786
YIQ	168.1760, -109.4840, -20.2360

Conversions

Conversions Part 2

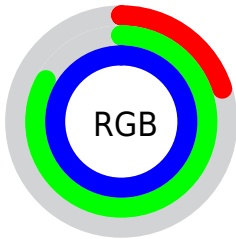
Format	Color
R _Y B	51, 141, 255
Decimal	3396607
CIE Lab	78.76, -25.48, -32.88
CIE LCh	79, 41.591, 232.227
Yxy	54.5123, 0.2134, 0.2724
Android (android.graphics.Color)	4281586687 (0xFF33D3FF)
YUV	168.1760, 42.8042, -102.7634
Hunter-Lab	73.8324, -25.9507, -30.9324

Details

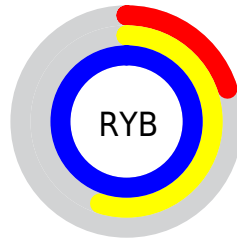
The XYZ color **42.7095, 54.5123, 102.8786** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **45.9317, 29.6866, 6.4434**, and the grayscale version is **37.1441, 39.0785, 42.5565**.

A 20% lighter version of the original color is **63.0159, 83.4858, 107.4008**, and **22.0815, 27.8542, 57.6387** is the 20% darker color. If you saturate the color by 10%, you get **40.4155, 51.3368, 102.3866**, and if you desaturate by 10%, it is **45.7568, 58.1476, 103.4197**.

Distribution



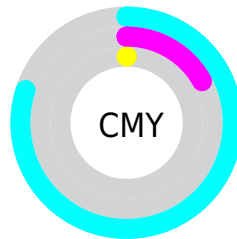
- Red (20%)
- Green (83%)
- Blue (100%)



- 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 42.7095, 54.5123, 102.8786 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 42.7095, 54.5123, 102.8786 by changing the saturation by 10% instead.

42.7095, 54.5123,
102.8786

42.7095, 54.5123,
102.8786

348.3575,
404.0606, 590.7081

29.8508, 39.0114,
78.0765

78.5307, 96.8260,
167.1937

19.8729, 26.7686,
57.6200

102.2240,
124.4076, 207.5438

12.4104, 17.3995,
41.0906

130.2595,
156.7849, 253.9137

7.0980, 10.5197,
28.0696

163.0025,
194.3423, 306.7218

3.5703, 5.7449,
18.1386

200.8185,
237.4642, 366.3868

1.4621, 2.6906,
10.8791

244.0727,

0.2998, 0.9724,

286.5349, 433.3272

5.8724

293.1306,
341.9389, 507.9614

■ 0.0000, 0.0000,
2.7001

■ 0.0000, 0.0000,
0.9435

■ 42.7095, 54.5123,
102.8786

■ 42.7095, 54.5123,
102.8786

■ 40.4155, 51.3368,
102.3866

■ 45.7568, 58.1476,
103.4197

■ 38.7050, 48.5297,
101.9349

■ 49.6537, 62.2901,
104.0139

■ 38.7038, 48.5277,
101.9346

■ 54.4869, 66.9858,
104.6655

■ 60.3304, 72.2739,
105.3783

■ 67.2508, 78.1892,
106.1553

■ 75.3089, 84.7637,
106.9996

■ 84.5607, 92.0269,
107.9139

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

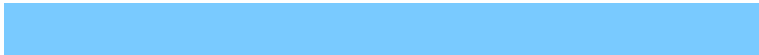
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.4984, 54.5123, 78.2062



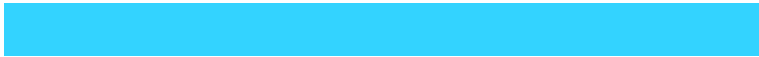
42.7095, 54.5123, 102.8786



49.7011, 54.5123, 116.5483

Triad

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



42.7095, 54.5123, 102.8786



69.1300, 54.5123, 65.6985



46.0526, 54.5123, 26.5051

Complementary

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



42.7095, 54.5123, 102.8786



45.9317, 29.6866, 6.4434

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.



53.9825, 54.5123, 24.8176



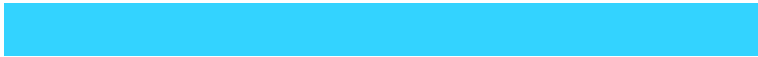
42.7095, 54.5123, 102.8786



67.8883, 54.5123, 43.8056

Square

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



42.7095, 54.5123, 102.8786



65.3573, 54.5123, 91.6747



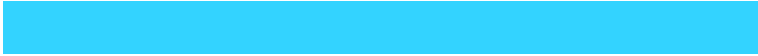
62.1245, 54.5123, 30.2505



40.2813, 54.5123, 35.6935

Rectangle

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



42.7095, 54.5123, 102.8786



55.2373, 54.5123, 115.5915



62.1245, 54.5123, 30.2505



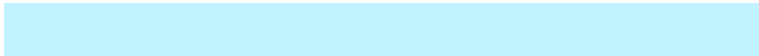
48.5319, 54.5123, 25.1613

Sweetspot

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



42.7111, 54.5142, 102.8789



71.9393, 82.0479, 106.6530



39.0499, 72.9938, 22.1140



14.7906, 17.0644, 22.7642



0.0000, 0.0000, 0.0000



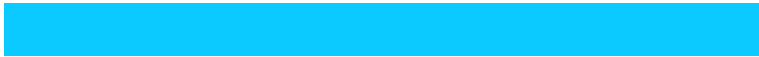
20.3446, 21.4041, 23.3091

Same Dimension

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



42.7111, 54.5142, 102.8789



39.3447, 49.6199, 102.1117



25.2340, 19.5598, 97.0532



18.2028, 19.7773, 23.1080



20.3376, 25.5848, 53.3010



2.0589, 2.6485, 5.2160

Inverse Universe

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



54.1829, 28.3326, 64.2427



52.0349, 25.7551, 58.2289



61.0866, 59.9964, 11.4950



18.6150, 18.2293, 21.8559



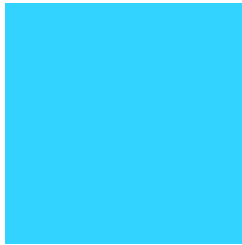
27.0537, 13.3108, 29.9969



2.6738, 1.3119, 3.1299

Previews

White Background



This preview shows how the XYZ color 42.7095, 54.5123, 102.8786 looks on a white background.

Color Contrast Check

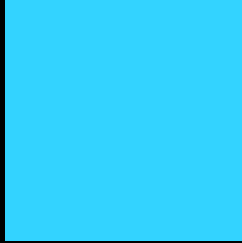
Large Text (above 18pt) WCAG AA × Fail

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 42.7095, 54.5123, 102.8786 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 42.7095, 54.5123, 102.8786

Background



This preview shows how black text looks on a background with the XYZ color 42.7095, 54.5123, 102.8786.



This preview shows how white text looks on a background with the XYZ color 42.7095, 54.5123,

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

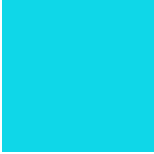
42.7095, 54.5123, 102.8786

Protanopia

53.5640, 53.4362, 90.7102

Deuteranopia

54.8123, 53.8287, 102.1088



Tritanopia

39.0629, 54.5286, 84.8102

Trichromacy



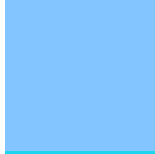
Original Color

42.7095, 54.5123, 102.8786



Protanomaly

46.6602, 52.1103, 94.7878



Deuteranomaly

47.6042, 52.4335, 102.2194



Tritanomaly

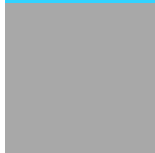
40.2536, 54.6313, 90.8614

Monochromacy



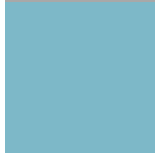
Original Color

42.7095, 54.5123, 102.8786



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

36.0233, 42.8111, 61.0083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7095, 54.5123, 102.8786 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, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 211, 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, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 211, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.7095, 54.5123, 102.8786 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, 211, 255) }
```


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

```
.border{ border-color:rgb(51, 211, 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, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 211, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 211, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 211,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7095, 54.5123, 102.8786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 211, 255) }
```

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

```
.background{ background-color: rgb(51, 211,  
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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