

Converting Colors

XYZ(47.3622, 56.3453,
127.0660)

Have a look what the booklet for
XYZ(47.3622, 56.3453, 127.0660)
contains.

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Color

**XYZ(42.8125, 54.5654,
102.8835)**

Conversions

Conversions Part 1

Format	Color
Hex	35D3FF
RGB	53, 211, 255
RGB Percent	21%, 83%, 100%
CMY	0.7921, 0.1725, 0.0000
CMYK	0.79, 0.17, 0.00, 0.00
HSL	193°, 100%, 60%
HSV	193°, 79%, 100%
XYZ	42.8125, 54.5654, 102.8835
YIQ	168.7740, -108.2920, -19.8120

Conversions

Conversions Part 2

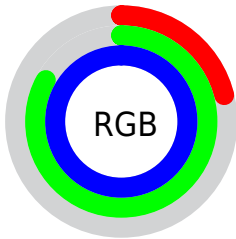
Format	Color
R _{YB}	53, 142, 255
Decimal	3527679
CIE _{Lab}	78.79, -25.30, -32.83
CIE _{LCh}	79, 41.444, 232.376
Y _{xy}	54.5654, 0.2138, 0.2725
Android (android.graphics.Color)	4281717759 (0xFF35D3FF)
Y _{UV}	168.7740, 42.5094, -101.5338
Hunter-Lab	73.8684, -25.8150, -30.8709

Details

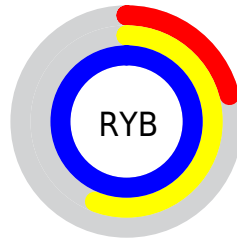
The XYZ color **42.8125, 54.5654, 102.8835** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **46.1592, 30.0696, 6.7416**, and the grayscale version is **37.4388, 39.3885, 42.8941**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **22.0815, 27.8542, 57.6387** is the 20% darker color. If you saturate the color by 10%, you get **40.4545, 51.3374, 102.3847**, and if you desaturate by 10%, it is **45.9335, 58.2595, 103.4320**.

Distribution



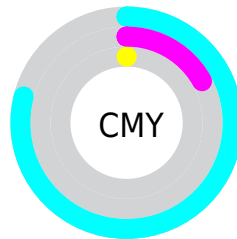
- Red (21%)
- Green (83%)
- Blue (100%)



- Red (21%)
- Yellow (56%)
- Blue (100%)



- Cyan (79%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (79%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8125, 54.5654, 102.8835 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 42.8125, 54.5654, 102.8835 by changing the saturation by 10% instead.

42.8125, 54.5654,
102.8835

42.8125, 54.5654,
102.8835

348.7747,
404.2624, 590.7239

29.9319, 39.0539,
78.0806

78.6853, 96.9039,
167.2005

19.9347, 26.8016,
57.6233

102.4083,
124.4997, 207.5516

12.4556, 17.4243,
41.0932

130.4760,
156.8923, 253.9226

7.1292, 10.5375,
28.0717

163.2540,
194.4662, 306.7320

3.5901, 5.7567,
18.1402

201.1075,
237.6058, 366.3982

1.4729, 2.6977,
10.8802

244.4018,

0.3073, 0.9760,

286.6954, 433.3399

5.8732

293.5025,
342.1195, 507.9756

■ 0.0000, 0.0000,
2.7006

■ 0.0000, 0.0000,
0.9437

■ 42.8125, 54.5654,
102.8835

■ 42.8125, 54.5654,
102.8835

■ 40.4545, 51.3374,
102.3847

■ 45.9335, 58.2595,
103.4320

■ 38.7049, 48.4922,
101.9277

■ 49.9121, 62.4662,
104.0343

■ 38.5780, 48.2759,
101.8927

■ 54.8341, 67.2314,
104.6946

■ 60.7728, 72.5936,
105.4166

■ 67.7943, 78.5875,
106.2035

■ 75.9591, 85.2450,
107.0582

■ 85.3227, 92.5952,
107.9834

■ 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.



38.5950, 54.5654, 78.3338



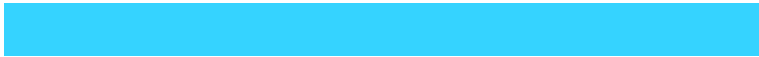
42.8125, 54.5654, 102.8835



49.7971, 54.5654, 116.4155

Triad

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



42.8125, 54.5654, 102.8835



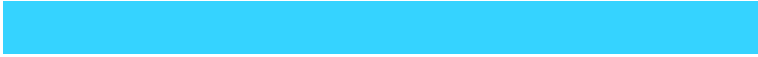
69.1308, 54.5654, 65.6127



46.0837, 54.5654, 26.6516

Complementary

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



42.8125, 54.5654, 102.8835



46.1592, 30.0696, 6.7416

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.



53.9848, 54.5654, 24.9298



42.8125, 54.5654, 102.8835



67.8683, 54.5654, 43.8133

Square

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



42.8125, 54.5654, 102.8835



65.3940, 54.5654, 91.4971



62.1063, 54.5654, 30.3221



40.3401, 54.5654, 35.8709

Rectangle

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



42.8125, 54.5654, 102.8835



55.3195, 54.5654, 115.3993



62.1063, 54.5654, 30.3221



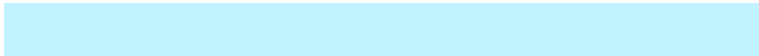
48.5531, 54.5654, 25.2964

Sweetspot

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



42.8141, 54.5672, 102.8837



71.9005, 81.9702, 106.6400



39.3767, 73.1364, 23.2973



14.7811, 17.0455, 22.7610



0.0000, 0.0000, 0.0000



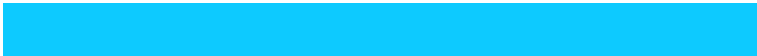
20.3446, 21.4041, 23.3091

Same Dimension

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



42.8141, 54.5672, 102.8837



39.3871, 49.6532, 102.1158



25.1218, 19.1826, 96.9863



18.1994, 19.7704, 23.1068



20.2726, 25.4547, 53.2794



2.0531, 2.6369, 5.2140

Inverse Universe

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



54.2722, 28.5112, 64.2725



52.0688, 25.8167, 58.2594



62.0250, 61.8012, 12.0302



18.6133, 18.2286, 21.8467



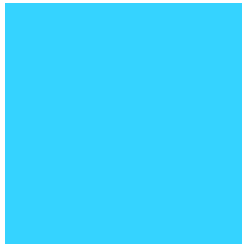
27.0209, 13.2976, 29.8240



2.6709, 1.3107, 3.1144

Previews

White Background



This preview shows how the XYZ color 42.8125, 54.5654, 102.8835 looks on a white background.

Color Contrast Check

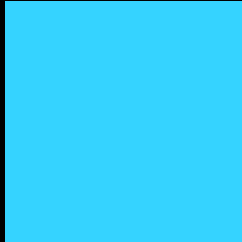
Large Text (above 18pt) WCAG AA × Fail

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 42.8125, 54.5654, 102.8835 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 42.8125, 54.5654, 102.8835

Background



This preview shows how black text looks on a background with the XYZ color 42.8125, 54.5654, 102.8835.



This preview shows how white text looks on a background with the XYZ color 42.8125, 54.5654,

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

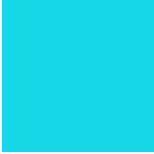
42.8125, 54.5654, 102.8835

Protanopia

53.7994, 53.5576, 90.7212

Deuteranopia

54.8123, 53.8287, 102.1088



Tritanopia

39.1968, 54.5976, 84.8164

Trichromacy



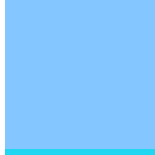
Original Color

42.8125, 54.5654, 102.8835



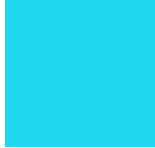
Protanomaly

46.8203, 52.1929, 94.7953



Deuteranomaly

47.7598, 52.5137, 102.2267



Tritanomaly

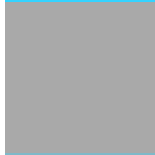
40.4019, 54.7077, 90.8683

Monochromacy



Original Color

42.8125, 54.5654, 102.8835



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

36.3182, 42.9631, 61.0221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8125, 54.5654, 102.8835 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(53, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(53, 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(53, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 211, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.8125, 54.5654, 102.8835 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(53, 211, 255) }
```


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

```
.border{ border-color:rgb(53, 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(53, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 211, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 211, 255);  
box-shadow:4px 4px 4px 4px rgb(53, 211,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8125, 54.5654, 102.8835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 211, 255) }
```

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

```
.background{ background-color: rgb(53, 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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