

# Converting Colors

XYZ(42.0719, 54.8381, 95.1637)

Have a look what the booklet for  
XYZ(42.0719, 54.8381, 95.1637)  
contains.

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# Color

**XYZ(42.1025, 54.7329,  
95.5342)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DD4F6
RGB	61, 212, 246
RGB Percent	24%, 83%, 96%
CMY	0.7607, 0.1686, 0.0353
CMYK	0.75, 0.14, 0.00, 0.04
HSL	191°, 91%, 60%
HSV	191°, 75%, 96%
XYZ	42.1025, 54.7329, 95.5342
YIQ	170.7270, -100.9100, -21.4380

# Conversions

## Conversions Part 2

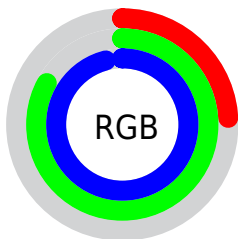
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	61, 144, 246
Decimal	4052214
CIE Lab	78.89, -27.85, -27.87
CIE LCh	79, 39.399, 225.021
Yxy	54.7329, 0.2189, 0.2845
Android (android.graphics.Color)	4282242294 (0xFF3DD4F6)
YUV	170.7270, 37.1096, -96.2306
Hunter-Lab	73.9817, -27.8848, -24.7753

# Details

The XYZ color **42.1025, 54.7329, 95.5342** 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 **42.9425, 28.1168, 7.5806**, and the grayscale version is **38.4306, 40.4320, 44.0305**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **21.3512, 27.8316, 52.9619** is the 20% darker color. If you saturate the color by 10%, you get **39.8065, 51.8959, 95.1087**, and if you desaturate by 10%, it is **45.1274, 57.9948, 96.0054**.

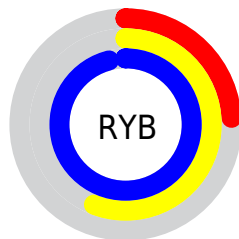
# Distribution



Red (24%)

Green (83%)

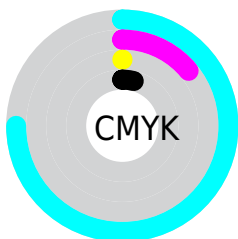
Blue (96%)



Red (24%)

Yellow (56%)

Blue (96%)

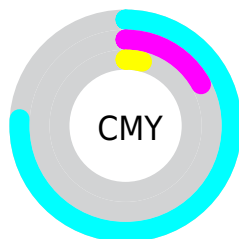


Cyan (75%)

Magenta (14%)

Yellow (0%)

Black (4%)



Cyan (76%)

Magenta (17%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1025, 54.7329, 95.5342 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 42.1025, 54.7329, 95.5342 by changing the saturation by 10% instead.



42.1025, 54.7329,  
95.5342

42.1025, 54.7329,  
95.5342

345.8921,  
404.8987, 566.9017

29.3730, 39.1879,  
71.9803

77.6189, 97.1495,  
157.0043

19.5089, 26.9059,  
52.6559

101.1366,  
124.7899, 195.7577

12.1447, 17.5026,  
37.1423

128.9810,  
157.2309, 240.4146

6.9152, 10.5935,  
25.0210

161.5175,  
194.8569, 291.3936

3.4550, 5.7942,  
15.8736

199.1116,  
238.0523, 349.1133

1.3987, 2.7203,  
9.2813

242.1284,

0.2553, 0.9875,

287.2014, 413.9922

4.8258

290.9335,  
342.6888, 486.4488

■ 0.0000, 0.0000,  
2.0885

■ 0.0000, 0.0000,  
0.6089

■ 42.1025, 54.7329,  
95.5342

■ 42.1025, 54.7329,  
95.5342

■ 39.8065, 51.8959,  
95.1087

■ 45.1274, 57.9948,  
96.0054

■ 38.1304, 49.4240,  
94.7199

■ 48.9603, 61.7195,  
96.5224

■ 37.4723, 48.3290,  
94.5432

■ 53.6752, 65.9467,  
97.0898

■ 59.3364, 70.7097,  
97.7108

66.0019, 76.0390,  
98.3881

73.7250, 81.9623,  
99.1244

82.5551, 88.5054,  
99.9219

91.4952, 95.1548,  
100.7342

92.9034, 97.9712,  
101.2036

# Harmonies

## Analogous

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



38.8108, 54.7329, 71.4649



42.1025, 54.7329, 95.5342



48.2322, 54.7329, 111.6145

# Triad

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



42.1025, 54.7329, 95.5342



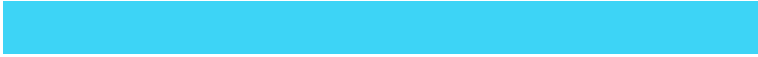
67.9384, 54.7329, 71.4302



48.2220, 54.7329, 26.9327

# Complementary

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



42.1025, 54.7329, 95.5342



42.9425, 28.1168, 7.5806

# 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.



56.0052, 54.7329, 26.9278



42.1025, 54.7329, 95.5342



67.9350, 54.7329, 49.1177

# Square

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



42.1025, 54.7329, 95.5342



63.3976, 54.7329, 95.5033



63.3886, 54.7329, 34.0321



42.0957, 54.7329, 34.0476

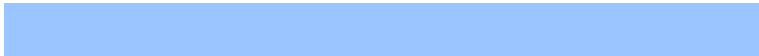


# Rectangle

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



42.1025, 54.7329, 95.5342



53.3489, 54.7329, 113.5979



63.3886, 54.7329, 34.0321



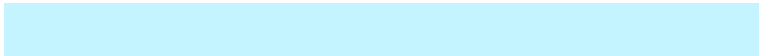
50.7172, 54.7329, 26.1708

# Sweetspot

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



42.1043, 54.7349, 95.5355



73.3233, 83.8371, 106.9254



36.9438, 67.7298, 21.9354



15.0871, 17.4703, 22.8269



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

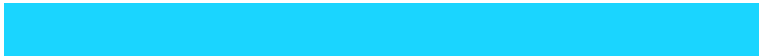


# Same Dimension

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



42.1043, 54.7349, 95.5355



42.2125, 54.9315, 102.9857



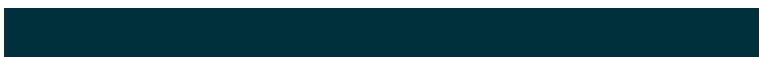
25.2277, 20.9818, 89.9100



16.7226, 18.2095, 21.1760



20.0971, 25.9879, 50.4950



1.8320, 2.4155, 4.4599



# Inverse Universe

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



51.5600, 27.6856, 64.9156



53.5859, 26.7718, 65.1748



56.7091, 55.6501, 12.1695



17.0753, 16.7130, 20.1432



25.9486, 12.7229, 30.7673

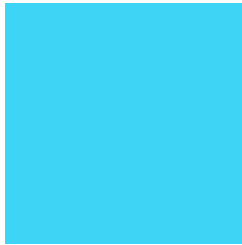


2.3138, 1.1315, 2.8788



# Previews

## White Background



This preview shows how the XYZ color 42.1025, 54.7329, 95.5342 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

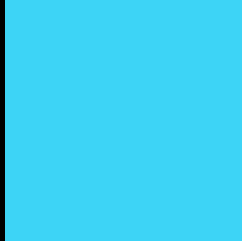
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.1025, 54.7329, 95.5342 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 42.1025, 54.7329, 95.5342

## Background



This preview shows how black text looks on a background with the XYZ color 42.1025, 54.7329, 95.5342.



This preview shows how white text looks on a background with the XYZ color 42.1025, 54.7329,



# 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

42.1025, 54.7329, 95.5342

### Protanopia

53.4227, 53.8398, 83.9204

### Deuteranopia

55.1174, 53.7370, 98.7341



## Tritanopia

39.8787, 54.5723, 84.7756

# Trichromacy



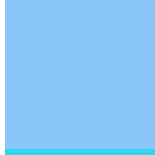
## Original Color

42.1025, 54.7329, 95.5342



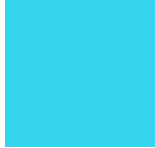
## Protanomaly

46.5247, 52.5367, 87.8093



## Deuteranomaly

47.7742, 52.6310, 97.2634



## Tritanomaly

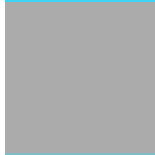
40.5485, 54.4598, 88.4954

# Monochromacy



## Original Color

42.1025, 54.7329, 95.5342



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

37.1120, 44.0203, 59.9668

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.1025, 54.7329, 95.5342 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(61, 212, 246)` looks like.

```
.text, #text, p{  
    color:rgb(61, 212, 246)  
}
```

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(61, 212, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 212, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 42.1025, 54.7329, 95.5342 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(61, 212, 246) }
```



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

```
.border{ border-color:rgb(61, 212, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 212, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 212, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 212, 246);  
box-shadow:4px 4px 4px 4px rgb(61, 212,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.1025, 54.7329, 95.5342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 212, 246) }
```

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

```
.background{ background-color: rgb(61, 212,  
246) }
```

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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