

Converting Colors

XYZ(37.4875, 42.1875, 99.5939)

Have a look what the booklet for
XYZ(37.4875, 42.1875, 99.5939)
contains.

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Color

**XYZ(37.5190, 42.1075,
99.9160)**

Conversions

Conversions Part 1

Format	Color
Hex	4BB6FE
RGB	75, 182, 254
RGB Percent	29%, 71%, 100%
CMY	0.7058, 0.2863, 0.0039
CMYK	0.70, 0.28, 0.00, 0.00
HSL	204°, 99%, 65%
HSV	204°, 70%, 100%
XYZ	37.5190, 42.1075, 99.9160
YIQ	158.2150, -86.8840, -0.2920

Conversions

Conversions Part 2

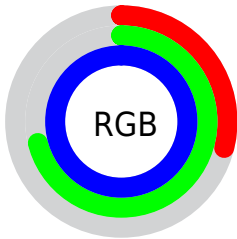
Format	Color
R _Y B	75, 142, 254
Decimal	4962046
CIE Lab	70.94, -7.98, -44.45
CIE LCh	71, 45.157, 259.820
Yxy	42.1075, 0.2090, 0.2345
Android (android.graphics.Color)	4283152126 (0xFF4BB6FE)
YUV	158.2150, 47.2220, -72.9796
Hunter-Lab	64.8903, -10.3509, -45.8696

Details

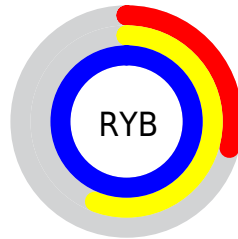
The XYZ color **37.5190, 42.1075, 99.9160** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **52.5792, 42.4500, 12.0812**, and the grayscale version is **32.4197, 34.1080, 37.1436**.

A 20% lighter version of the original color is **59.9522, 74.2087, 105.7716**, and **17.9283, 19.7317, 55.6870** is the 20% darker color. If you saturate the color by 10%, you get **33.8975, 37.2473, 99.1696**, and if you desaturate by 10%, it is **42.0886, 47.6844, 100.7525**.

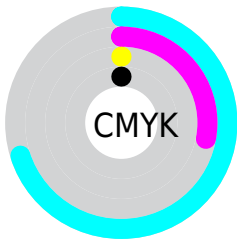
Distribution



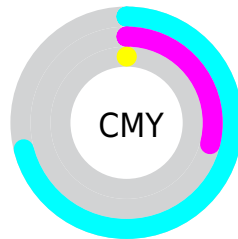
- Red (29%)
- Green (71%)
- Blue (100%)



- Red (29%)
- Yellow (56%)
- Blue (100%)



- Cyan (70%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5190, 42.1075, 99.9160 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 37.5190, 42.1075, 99.9160 by changing the saturation by 10% instead.

■ 37.5190, 42.1075,
99.9160

■ 37.5190, 42.1075,
99.9160

326.8687,
354.9284, 581.1677

■ 25.7851, 29.1855,
75.6139

■ 70.6790, 78.3623,
163.0926

■ 16.7948, 19.2212,
55.6112

■ 92.8357, 102.4639,
202.8042

■ 10.1827, 11.8302,
39.4894

■ 119.1975,
131.0607, 248.4894

■ 5.5834, 6.6282,
26.8299

■ 150.1296,
164.5373, 300.5666

■ 2.6317, 3.2307,
17.2142

185.9974,
203.2779, 359.4546

■ 0.9621, 1.2533,
10.2238

227.1663,

■ 0.0000, 0.1046,

247.6671, 425.5717

5.4400

274.0016,
298.0891, 499.3366

■ 0.0000, 0.0000,
2.4445

■ 0.0000, 0.0000,
0.8105

■ 37.5190, 42.1075,
99.9160

■ 37.5190, 42.1075,
99.9160

■ 33.8975, 37.2473,
99.1696

■ 42.0886, 47.6844,
100.7525

■ 31.1156, 33.0412,
98.5044

■ 47.6892, 54.0235,
101.6808

■ 29.0899, 29.5566,
97.9386

■ 54.3988, 61.1701,
102.7066

■ 62.2861, 69.1641,
103.8339

■ 71.4141, 78.0421,
105.0665

■ 81.8406, 87.8383,
106.4078

■ 93.6201, 98.5846,
107.8612

■ 94.8896, 99.9358,
108.0551

Harmonies

Analogous

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



31.3945, 42.1075, 85.3489



37.5190, 42.1075, 99.9160



45.1305, 42.1075, 96.9172

Triad

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



37.5190, 42.1075, 99.9160



55.2335, 42.1075, 33.1852



29.9548, 42.1075, 23.9744

Complementary

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



37.5190, 42.1075, 99.9160



52.5792, 42.4500, 12.0812

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.



35.3142, 42.1075, 16.8717



37.5190, 42.1075, 99.9160



50.1007, 42.1075, 20.9185

Square

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



37.5190, 42.1075, 99.9160



56.0172, 42.1075, 53.5677



42.6337, 42.1075, 15.9630



27.4043, 42.1075, 38.9079

Rectangle

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



37.5190, 42.1075, 99.9160



50.0198, 42.1075, 85.6024



42.6337, 42.1075, 15.9630



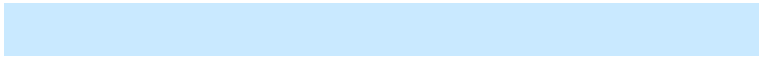
31.4538, 42.1075, 20.8195

Sweetspot

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



37.5205, 42.1089, 99.9171



71.5277, 78.2382, 105.9393



43.5804, 74.4749, 39.5208



14.7420, 16.2001, 22.5999



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.



37.5205, 42.1089, 99.9171



32.8265, 35.5726, 99.7438



24.6987, 16.4652, 95.6431



17.9060, 19.1837, 23.0090



15.4849, 15.8793, 51.6835



1.6148, 1.7604, 5.0679

Inverse Universe

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



51.8340, 29.4823, 47.2158



48.9915, 25.4824, 39.2903



72.1687, 81.6289, 18.6110



18.4652, 18.1694, 21.0670



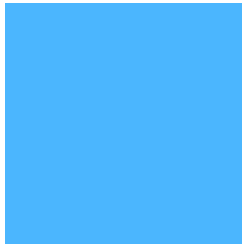
24.6043, 12.3310, 17.0983



2.4497, 1.2223, 1.9495

Previews

White Background



This preview shows how the XYZ color 37.5190, 42.1075, 99.9160 looks on a white background.

Color Contrast Check

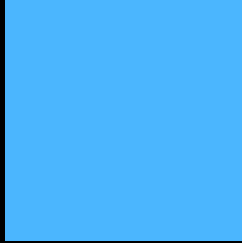
Large Text (above 18pt) WCAG AA × Fail

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 37.5190, 42.1075, 99.9160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

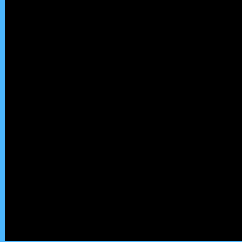
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

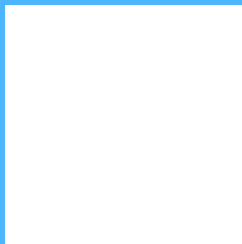
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5190, 42.1075, 99.9160

Background



This preview shows how black text looks on a background with the XYZ color 37.5190, 42.1075, 99.9160.

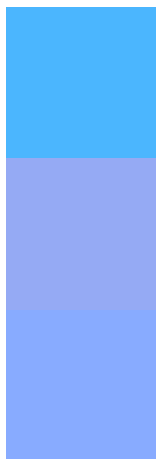


This preview shows how white text looks on a background with the XYZ color 37.5190, 42.1075,

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

37.5190, 42.1075, 99.9160

Protanopia

43.0983, 41.6707, 91.3597

Deuteranopia

42.7663, 41.5801, 100.3795



Tritanopia

30.6926, 42.1787, 65.5551

Trichromacy



Original Color

37.5190, 42.1075, 99.9160

Protanomaly

40.1054, 41.1870, 94.6430

Deuteranomaly

40.3194, 41.4574, 100.4848

Tritanomaly

32.8030, 42.0521, 76.9090

Monochromacy



Original Color

37.5190, 42.1075, 99.9160

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.3464, 36.0769, 55.7108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5190, 42.1075, 99.9160 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(75, 182, 254)` looks like.

```
.text, #text, p{  
    color:rgb(75, 182, 254)  
}
```

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(75, 182, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 182, 254) }
```

Border

The CSS property to change the border of an element to XYZ 37.5190, 42.1075, 99.9160 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(75, 182, 254) }
```


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

```
.border{ border-color:rgb(75, 182, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 182, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 182, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 182, 254);  
box-shadow:4px 4px 4px 4px rgb(75, 182,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5190, 42.1075, 99.9160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 182, 254) }
```

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

```
.background{ background-color: rgb(75, 182,  
254) }
```

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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