

Converting Colors

XYZ(37.0558, 42.0717, 87.8637)

Have a look what the booklet for
XYZ(37.0558, 42.0717, 87.8637)
contains.

XYZ(37.1318, 42.1747, 87.8448)	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(37.1318, 42.1747,
87.8448)**

Conversions

Conversions Part 1

Format	Color
Hex	60B6EF
RGB	96, 182, 239
RGB Percent	38%, 71%, 94%
CMY	0.6235, 0.2863, 0.0627
CMYK	0.60, 0.24, 0.00, 0.06
HSL	204°, 82%, 66%
HSV	204°, 60%, 94%
XYZ	37.1318, 42.1747, 87.8448
YIQ	162.7840, -69.5530, -0.5050

Conversions

Conversions Part 2

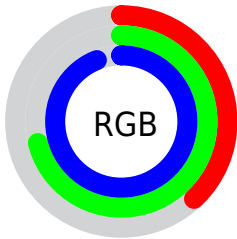
Format	Color
R_{YB}	96, 150, 239
Decimal	6338287
CIE _{Lab}	70.99, -9.45, -36.20
CIE _{LCh}	71, 37.414, 255.375
Yxy	42.1747, 0.2221, 0.2523
Android (android.graphics.Color)	4284528367 (0xFF60B6EF)
YUV	162.7840, 37.5745, -58.5696
Hunter-Lab	64.9421, -11.5880, -34.7400

Details

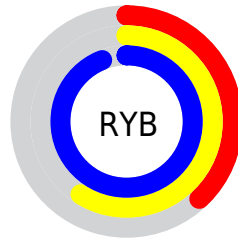
The XYZ color **37.1318, 42.1747, 87.8448** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.1008, 41.9799, 16.5832**, and the grayscale version is **34.5645, 36.3645, 39.6010**.

A 20% lighter version of the original color is **62.5292, 75.5372, 105.8922**, and **16.5635, 19.2050, 47.6337** is the 20% darker color. If you saturate the color by 10%, you get **33.1039, 37.3004, 87.1171**, and if you desaturate by 10%, it is **42.0595, 47.7114, 88.6546**.

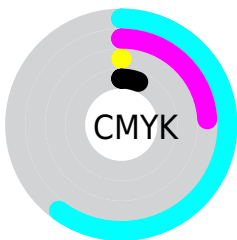
Distribution



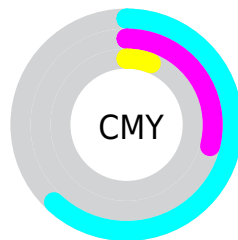
- Red (38%)
- Green (71%)
- Blue (94%)



- Red (38%)
- Yellow (59%)
- Blue (94%)



- Cyan (60%)
- Magenta (24%)
- Yellow (0%)
- Black (6%)



- Cyan (62%)
- Magenta (29%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1318, 42.1747, 87.8448 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 37.1318, 42.1747, 87.8448 by changing the saturation by 10% instead.

■ 37.1318, 42.1747,
87.8448

■ 37.1318, 42.1747,
87.8448

325.2264,
355.2066, 541.3830

■ 25.4837, 29.2381,
65.6309

■ 70.0880, 78.4640,
146.2503

■ 16.5684, 19.2610,
47.5183

■ 92.1267, 102.5854,
183.2790

■ 10.0207, 11.8590,
33.0883

■ 118.3598,
131.2040, 226.0831

■ 5.4750, 6.6478,
21.9224

■ 149.1524,
164.7040, 275.0811

■ 2.5662, 3.2428,
13.6021

184.8701,
203.4698, 330.6916

■ 0.9288, 1.2598,
7.7089

225.8780,

■ 0.0000, 0.1097,

247.8860, 393.3330

3.8242

272.5417,
298.3368, 463.4240

■ 0.0000, 0.0000,
1.5294

■ 0.0000, 0.0000,
0.2397

■ 37.1318, 42.1747,
87.8448

■ 37.1318, 42.1747,
87.8448

■ 33.1039, 37.3004,
87.1171

■ 42.0595, 47.7114,
88.6546

■ 29.8970, 33.0418,
86.4641

■ 47.9479, 53.9435,
89.5472

■ 27.4246, 29.3510,
85.8820

■ 54.8572, 60.9064,
90.5270

■ 25.5427, 26.1496,
85.3633

■ 62.8412, 68.6314,
91.5972

■ 25.5130, 26.0979,
85.3549

■ 71.9496, 77.1476,
92.7610

■ 82.2290, 86.4825,
94.0210

■ 90.6001, 95.0519,
95.2339

■ 92.5801, 99.0121,
95.8939

Harmonies

Analogous

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



32.2337, 42.1747, 74.9791



37.1318, 42.1747, 87.8448



43.3522, 42.1747, 87.6653

Triad

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



37.1318, 42.1747, 87.8448



52.8046, 42.1747, 37.3988



32.1377, 42.1747, 25.7638

Complementary

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



37.1318, 42.1747, 87.8448



49.1008, 41.9799, 16.5832

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.



36.9877, 42.1747, 20.1166



37.1318, 42.1747, 87.8448



49.1195, 42.1747, 25.5479

Square

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



37.1318, 42.1747, 87.8448



52.8535, 42.1747, 55.1558



43.1924, 42.1747, 20.0494



29.5601, 42.1747, 37.7793

Rectangle

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



37.1318, 42.1747, 87.8448



47.4416, 42.1747, 80.0276



43.1924, 42.1747, 20.0494



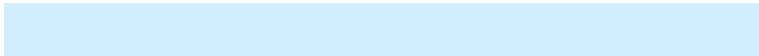
33.5325, 42.1747, 23.2133

Sweetspot

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



37.1333, 42.1762, 87.8458



74.5713, 81.1869, 106.3481



41.2629, 66.4494, 39.8535



15.3406, 16.7879, 22.6818



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.



37.1333, 42.1762, 87.8458



37.3682, 41.9552, 100.7364



26.2754, 20.4604, 84.2265



15.6880, 16.8102, 20.1394



14.2307, 14.6857, 47.2125



1.2808, 1.4156, 3.9600

Inverse Universe

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



48.2243, 30.0955, 47.5247



51.9432, 29.1873, 47.0521



63.9145, 71.6074, 21.5211



16.1720, 15.9185, 18.4618



22.5086, 11.2759, 15.8609



1.9215, 0.9576, 1.5772

Previews

White Background



This preview shows how the XYZ color 37.1318, 42.1747, 87.8448 looks on a white background.

Color Contrast Check

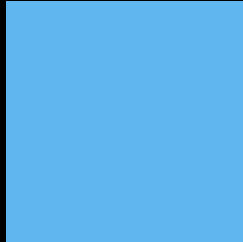
Large Text (above 18pt) WCAG AA × Fail

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 37.1318, 42.1747, 87.8448 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

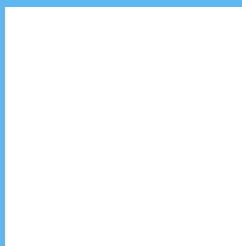
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1318, 42.1747, 87.8448

Background



This preview shows how black text looks on a background with the XYZ color 37.1318, 42.1747, 87.8448.

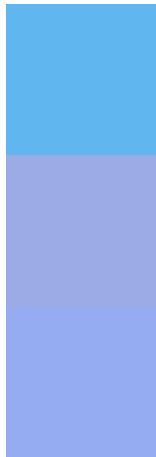


This preview shows how white text looks on a background with the XYZ color 37.1318, 42.1747,

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

37.1318, 42.1747, 87.8448

Protanopia

42.5561, 41.9069, 80.7088

Deuteranopia

42.9843, 41.9262, 89.8314



Tritanopia

32.1906, 42.0315, 63.5430

Trichromacy



Original Color

37.1318, 42.1747, 87.8448

Protanomaly

39.8695, 41.6115, 83.0213

Deuteranomaly

40.4131, 41.7566, 89.1489

Tritanomaly

33.9210, 42.1060, 71.9851

Monochromacy



Original Color

37.1318, 42.1747, 87.8448

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.4262, 38.0000, 54.8105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1318, 42.1747, 87.8448 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(96, 182, 239)` looks like.

```
.text, #text, p{  
    color:rgb(96, 182, 239)  
}
```

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(96, 182, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 182, 239) }
```

Border

The CSS property to change the border of an element to XYZ 37.1318, 42.1747, 87.8448 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(96, 182, 239) }
```


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

```
.border{ border-color:rgb(96, 182, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 182, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 182, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 182, 239);  
box-shadow:4px 4px 4px 4px rgb(96, 182,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1318, 42.1747, 87.8448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 182, 239) }
```

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

```
.background{ background-color: rgb(96, 182,  
239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor