

Converting Colors

XYZ(37.1071, 41.9868, 75.2568)

Have a look what the booklet for
XYZ(37.1071, 41.9868, 75.2568)
contains.

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Color

**XYZ(37.1799, 42.1732,
75.2879)**

Conversions

Conversions Part 1

Format	Color
Hex	76B5DE
RGB	118, 181, 222
RGB Percent	46%, 71%, 87%
CMY	0.5372, 0.2902, 0.1294
CMYK	0.47, 0.18, 0.00, 0.13
HSL	204°, 61%, 67%
HSV	204°, 47%, 87%
XYZ	37.1799, 42.1732, 75.2879
YIQ	166.8370, -50.7090, -0.6050

Conversions

Conversions Part 2

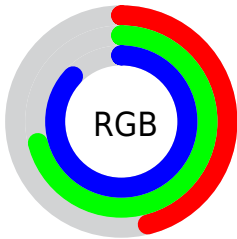
Format	Color
RYB	118, 157, 222
Decimal	7779806
CIELab	70.99, -9.28, -26.87
CIELCh	71, 28.431, 250.940
Yxy	42.1732, 0.2404, 0.2727
Android (android.graphics.Color)	4285969886 (0xFF76B5DE)
YUV	166.8370, 27.1954, -42.8300
Hunter-Lab	64.9409, -11.4519, -23.2780

Details

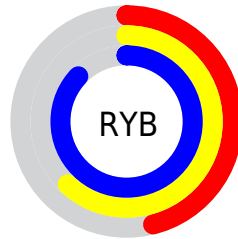
The XYZ color **37.1799, 42.1732, 75.2879** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **45.7935, 41.6352, 22.7638**, and the grayscale version is **36.5421, 38.4451, 41.8667**.

A 20% lighter version of the original color is **66.0134, 76.9023, 105.9721**, and **16.5577, 19.1890, 39.3904** is the 20% darker color. If you saturate the color by 10%, you get **32.7886, 37.3509, 74.5893**, and if you desaturate by 10%, it is **42.3951, 47.5880, 76.0590**.

Distribution



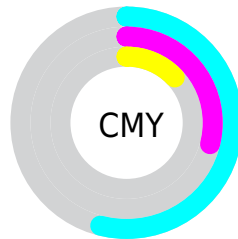
- Red (46%)
- Green (71%)
- Blue (87%)



- Red (46%)
- Yellow (62%)
- Blue (87%)



- Cyan (47%)
- Magenta (18%)
- Yellow (0%)
- Black (13%)



- Cyan (54%)
- Magenta (29%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1799, 42.1732, 75.2879 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 37.1799, 42.1732, 75.2879 by changing the saturation by 10% instead.

■ 37.1799, 42.1732,
75.2879

■ 37.1799, 42.1732,
75.2879

325.4308,
355.2004, 498.1883

■ 25.5211, 29.2369,
55.3456

■ 70.1614, 78.4617,
128.4707

■ 16.5965, 19.2601,
39.2780

■ 92.2149, 102.5827,
162.5482

■ 10.0408, 11.8584,
26.6666

■ 118.4639,
131.2008, 202.1746

■ 5.4885, 6.6473,
17.0928

149.2740,
164.7002, 247.7684

■ 2.5743, 3.2425,
10.1380

185.0103,
203.4656, 299.7482

■ 0.9329, 1.2596,
5.3838

226.0383,

■ 0.0000, 0.1096,

247.8811, 358.5324

2.4115

272.7233,
298.3312, 424.5396

■ 0.0000, 0.0000,
0.7927

■ 0.0000, 0.0000,
0.0000

■ 37.1799, 42.1732,
75.2879

■ 37.1799, 42.1732,
75.2879

■ 32.7886, 37.3509,
74.5893

■ 42.3951, 47.5880,
76.0590

■ 29.1646, 33.0862,
73.9571

■ 48.4778, 53.6180,
76.9023

■ 26.2500, 29.3470,
73.3890

■ 55.4729, 60.2903,
77.8215

■ 23.9756, 26.0945,
72.8811

■ 63.4212, 67.6284,
78.8190

■ 22.2529, 23.2798,
72.4286

■ 72.3608, 75.6549,
79.8971

■ 21.7769, 22.4578,
72.2950

■ 82.3274, 84.3908,
81.0580

■ 86.2564, 90.1968,
81.9715

■ 88.9278, 95.5396,
82.8620

■ 90.1850, 98.0540,
83.2811

Harmonies

Analogous

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



33.5836, 42.1732, 65.2445



37.1799, 42.1732, 75.2879



41.8399, 42.1732, 76.6264

Triad

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



37.1799, 42.1732, 75.2879



49.7198, 42.1732, 41.1397



34.4015, 42.1732, 28.8832

Complementary

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



37.1799, 42.1732, 75.2879



45.7935, 41.6352, 22.7638

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.



38.3787, 42.1732, 24.7562



37.1799, 42.1732, 75.2879



47.3742, 42.1732, 30.8454

Square

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



37.1799, 42.1732, 75.2879



49.3350, 42.1732, 54.9858



43.1363, 42.1732, 25.3955



32.0690, 42.1732, 37.9089

Rectangle

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



37.1799, 42.1732, 75.2879



44.9575, 42.1732, 72.1562



43.1363, 42.1732, 25.3955



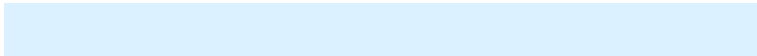
35.5767, 42.1732, 26.9659

Sweetspot

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



37.1813, 42.1748, 75.2889



78.7872, 85.1935, 106.8992



39.7538, 58.5592, 41.4969



16.3780, 17.7818, 22.8190



0.0000, 0.0000, 0.0000



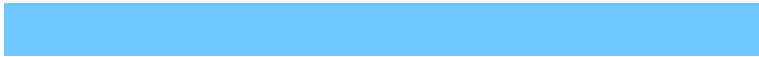
20.3446, 21.4041, 23.3091

Same Dimension

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



37.1813, 42.1748, 75.2889



45.1130, 51.3888, 102.1491



28.6578, 25.1278, 72.4477



13.6394, 14.6180, 17.4904



13.0461, 13.5618, 42.9784



0.9908, 1.1131, 3.0079

Inverse Universe

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



44.9443, 31.8241, 47.4914



57.3308, 37.0023, 57.9735



56.4089, 62.8660, 26.3023



14.0542, 13.8393, 16.0557



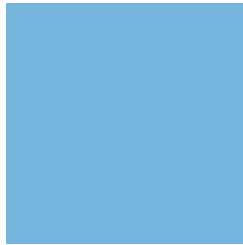
20.5253, 10.2771, 14.6978



1.4664, 0.7298, 1.2488

Previews

White Background



This preview shows how the XYZ color 37.1799, 42.1732, 75.2879 looks on a white background.

Color Contrast Check

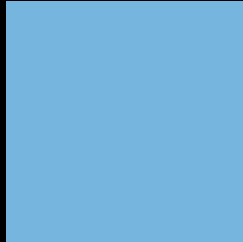
Large Text (above 18pt) WCAG AA × Fail

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 37.1799, 42.1732, 75.2879 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

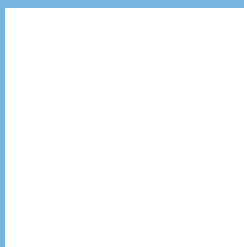
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1799, 42.1732, 75.2879

Background



This preview shows how black text looks on a background with the XYZ color 37.1799, 42.1732, 75.2879.

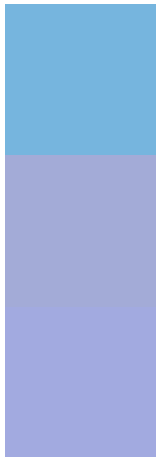


This preview shows how white text looks on a background with the XYZ color 37.1799, 42.1732,

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

37.1799, 42.1732, 75.2879

Protanopia

41.9329, 41.8186, 70.1517

Deuteranopia

42.7296, 41.8127, 76.3396



Tritanopia

34.3298, 42.2476, 60.9888

Trichromacy



Original Color

37.1799, 42.1732, 75.2879

Protanomaly

40.0175, 41.9249, 72.3128

Deuteranomaly

40.3094, 41.7108, 75.7385

Tritanomaly

35.4651, 42.4125, 65.9917

Monochromacy



Original Color

37.1799, 42.1732, 75.2879

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.1166, 39.4825, 52.7310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1799, 42.1732, 75.2879 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(118, 181, 222)` looks like.

```
.text, #text, p{  
    color:rgb(118, 181, 222)  
}
```

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(118, 181, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 181, 222) }
```

Border

The CSS property to change the border of an element to XYZ 37.1799, 42.1732, 75.2879 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(118, 181, 222) }
```


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

```
.border{ border-color:rgb(118, 181, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 181, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 181, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 181, 222);  
box-shadow:4px 4px 4px 4px rgb(118, 181,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1799, 42.1732, 75.2879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 181, 222) }
```

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

```
.background{ background-color: rgb(118,  
181, 222) }
```

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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