

Converting Colors

XYZ(37.2568, 44.1472, 74.0992)

Have a look what the booklet for
XYZ(37.2568, 44.1472, 74.0992)
contains.

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Color

**XYZ(37.2441, 44.0875,
74.2569)**

Conversions

Conversions Part 1

Format	Color
Hex	6FBBDC
RGB	111, 187, 220
RGB Percent	44%, 73%, 86%
CMY	0.5647, 0.2667, 0.1373
CMYK	0.50, 0.15, 0.00, 0.14
HSL	198°, 61%, 65%
HSV	198°, 50%, 86%
XYZ	37.2441, 44.0875, 74.2569
YIQ	168.0380, -55.8890, -5.8490

Conversions

Conversions Part 2

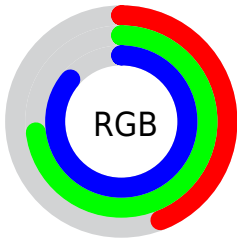
Format	Color
R _{YB}	111, 156, 220
Decimal	7322588
CIE Lab	72.29, -14.66, -23.83
CIE LCh	72, 27.976, 238.390
Yxy	44.0875, 0.2394, 0.2834
Android (android.graphics.Color)	4285512668 (0xFF6FBBDC)
YUV	168.0380, 25.6173, -50.0223
Hunter-Lab	66.3984, -16.0733, -19.8283

Details

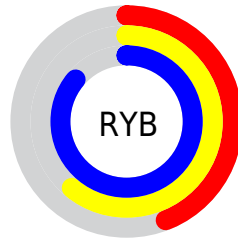
The XYZ color **37.2441, 44.0875, 74.2569** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.3587, 36.3109, 19.8164**, and the grayscale version is **37.1372, 39.0713, 42.5486**.

A 20% lighter version of the original color is **66.2490, 79.6460, 106.4893**, and **16.6819, 20.4706, 38.6693** is the 20% darker color. If you saturate the color by 10%, you get **33.4292, 40.0725, 73.6838**, and if you desaturate by 10%, it is **41.8090, 48.5883, 74.8858**.

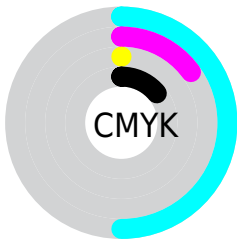
Distribution



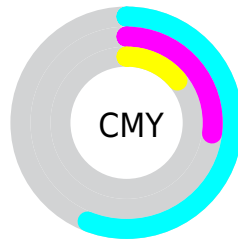
- Red (44%)
- Green (73%)
- Blue (86%)



- Red (44%)
- Yellow (61%)
- Blue (86%)



- Cyan (50%)
- Magenta (15%)
- Yellow (0%)
- Black (14%)



- Cyan (56%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2441, 44.0875, 74.2569 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 37.2441, 44.0875, 74.2569 by changing the saturation by 10% instead.

■ 37.2441, 44.0875,
74.2569

■ 37.2441, 44.0875,
74.2569

325.7033,
363.0652, 494.5466

■ 25.5711, 30.7393,
54.5063

■ 70.2594, 81.3494,
126.9973

■ 16.6340, 20.4004,
38.6106

■ 92.3325, 106.0319,
160.8242

■ 10.0676, 12.6864,
26.1515

■ 118.6029,
135.2613, 200.1802

■ 5.5064, 7.2130,
16.7102

149.4361,
169.4219, 245.4839

■ 2.5851, 3.5957,
9.8683

185.1974,
208.8982, 297.1539

■ 0.9384, 1.4501,
5.2073

226.2521,

■ 0.0000, 0.2532,

254.0746, 355.6086

2.3085

272.9656,
305.3355, 421.2667

■ 0.0000, 0.0000,
0.7360

■ 0.0000, 0.0000,
0.0000

■ 37.2441, 44.0875,
74.2569

■ 37.2441, 44.0875,
74.2569

■ 33.4292, 40.0725,
73.6838

■ 41.8090, 48.5883,
74.8858

■ 30.3082, 36.5103,
73.1607

■ 47.1663, 53.5952,
75.5699

■ 27.8235, 33.3709,
72.6857

■ 53.3600, 59.1331,
76.3124

■ 25.9055, 30.6168,
72.2552

■ 60.4296, 65.2236,
77.1154

■ 24.4373, 28.1866,
71.8635

■ 68.4121, 71.8870,
77.9808

■ 24.3748, 28.0801,
71.8463

■ 77.3420, 79.1422,
78.9106

■ 83.4748, 85.0602,
79.7296

■ 85.4028, 88.9162,
80.3723

■ 87.4028, 92.9162,
81.0389

Harmonies

Analogous

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



34.2880, 44.0875, 61.7201



37.2441, 44.0875, 74.2569



41.6447, 44.0875, 79.6196

Triad

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



37.2441, 44.0875, 74.2569



51.8375, 44.0875, 48.7514



37.6615, 44.0875, 28.2810

Complementary

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



37.2441, 44.0875, 74.2569



42.3587, 36.3109, 19.8164

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.



42.1641, 44.0875, 26.1094



37.2441, 44.0875, 74.2569



50.5714, 44.0875, 36.4869

Square

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



37.2441, 44.0875, 74.2569



50.2775, 44.0875, 63.2560



46.9369, 44.0875, 28.8070



34.5157, 44.0875, 35.4244

Rectangle

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



37.2441, 44.0875, 74.2569



44.8876, 44.0875, 77.7551



46.9369, 44.0875, 28.8070



39.0554, 44.0875, 27.0133

Sweetspot

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



37.2455, 44.0892, 74.2580



78.7675, 86.2863, 107.1112



37.1610, 56.5714, 35.2276



16.4195, 18.0876, 22.8758



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.



37.2455, 44.0892, 74.2580



46.7346, 56.0193, 102.9574



27.8352, 25.2685, 71.1212



13.0948, 14.1294, 16.6892



14.4074, 16.6842, 42.1994



1.0078, 1.2297, 2.7587

Inverse Universe

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



44.1704, 30.1737, 50.5116



57.8106, 35.8976, 64.4976



52.6253, 56.8441, 23.2386



13.4377, 13.2042, 15.5664



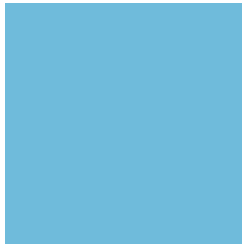
20.7675, 10.3080, 18.9535



1.3830, 0.6828, 1.4257

Previews

White Background



This preview shows how the XYZ color 37.2441, 44.0875, 74.2569 looks on a white background.

Color Contrast Check

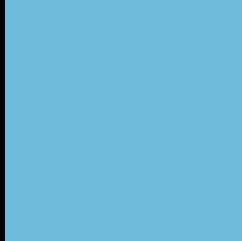
Large Text (above 18pt) WCAG AA × Fail

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 37.2441, 44.0875, 74.2569 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 37.2441, 44.0875, 74.2569

Background



This preview shows how black text looks on a background with the XYZ color 37.2441, 44.0875, 74.2569.

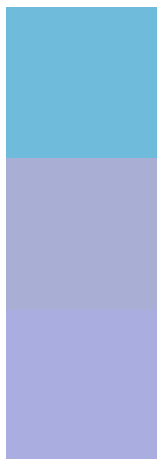


This preview shows how white text looks on a background with the XYZ color 37.2441, 44.0875,

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

37.2441, 44.0875, 74.2569

Protanopia

43.5758, 43.8484, 68.4543

Deuteranopia

44.6250, 43.6499, 75.8853



Tritanopia

35.3768, 44.2989, 64.4436

Trichromacy



Original Color

37.2441, 44.0875, 74.2569

Protanomaly

40.5986, 43.4424, 70.5354

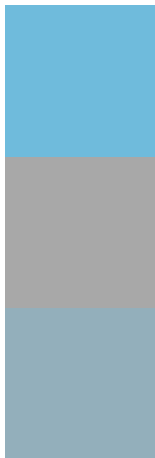
Deuteranomaly

41.3180, 43.4106, 75.3086

Tritanomaly

36.0148, 44.2365, 67.6131

Monochromacy



Original Color

37.2441, 44.0875, 74.2569

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.3322, 40.4508, 52.9066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2441, 44.0875, 74.2569 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(111, 187, 220)` looks like.

```
.text, #text, p{  
    color:rgb(111, 187, 220)  
}
```

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(111, 187, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 187, 220) }
```

Border

The CSS property to change the border of an element to XYZ 37.2441, 44.0875, 74.2569 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(111, 187, 220) }
```


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

```
.border{ border-color:rgb(111, 187, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 187, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 187, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 187, 220); box-shadow:4px 4px 4px 4px rgb(111, 187, 220) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2441, 44.0875, 74.2569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 187, 220) }
```

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

```
.background{ background-color: rgb(111,  
187, 220) }
```

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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