

Converting Colors

XYZ(37.5603, 43.8903, 76.3041)

Have a look what the booklet for
XYZ(37.5603, 43.8903, 76.3041)
contains.

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Color

**XYZ(37.5603, 43.8903,
76.3041)**

Conversions

Conversions Part 1

Format	Color
Hex	70BADF
RGB	112, 186, 223
RGB Percent	44%, 73%, 87%
CMY	0.5608, 0.2706, 0.1255
CMYK	0.50, 0.17, 0.00, 0.13
HSL	200°, 63%, 66%
HSV	200°, 50%, 87%
XYZ	37.5603, 43.8903, 76.3041
YIQ	168.0920, -55.9810, -4.1810

Conversions

Conversions Part 2

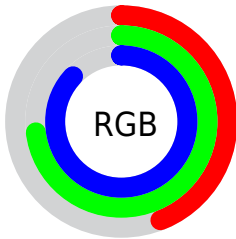
Format	Color
RYB	112, 156, 223
Decimal	7387871
CIELab	72.16, -13.06, -25.66
CIELCh	72, 28.790, 243.017
Yxy	43.8903, 0.2381, 0.2782
Android (android.graphics.Color)	4285577951 (0xFF70BADF)
YUV	168.0920, 27.0696, -49.1927
Hunter-Lab	66.2498, -14.7365, -21.9133

Details

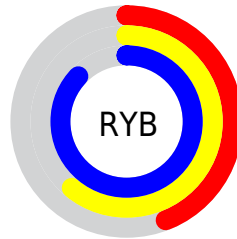
The XYZ color **37.5603, 43.8903, 76.3041** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **44.1047, 38.3541, 20.4092**, and the grayscale version is **37.1569, 39.0919, 42.5711**.

A 20% lighter version of the original color is **66.1643, 79.1593, 106.3998**, and **16.8716, 20.3323, 40.0811** is the 20% darker color. If you saturate the color by 10%, you get **33.5413, 39.5547, 75.6799**, and if you desaturate by 10%, it is **42.3662, 48.7543, 76.9905**.

Distribution



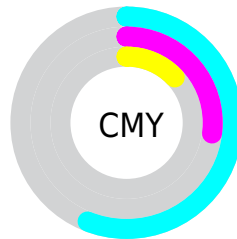
- Red (44%)
- Green (73%)
- Blue (87%)



- Red (44%)
- Yellow (61%)
- Blue (87%)



- Cyan (50%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)



- Cyan (56%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5603, 43.8903, 76.3041 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 37.5603, 43.8903, 76.3041 by changing the saturation by 10% instead.

■ 37.5603, 43.8903,
76.3041

■ 37.5603, 43.8903,
76.3041

327.0436,
362.2604, 501.7626

■ 25.8173, 30.5843,
56.1738

■ 70.7419, 81.0526,
129.9207

■ 16.8189, 20.2825,
39.9373

■ 92.9113, 105.6778,
164.2440

■ 10.2000, 12.6006,
27.1763

■ 119.2867,
134.8447, 204.1354

■ 5.5950, 7.1541,
17.4720

150.2337,
168.9378, 250.0135

■ 2.6387, 3.5586,
10.4061

186.1175,
208.3416, 302.2967

■ 0.9657, 1.4299,
5.5599

227.3035,

■ 0.0000, 0.2386,

253.4403, 361.4035

2.5150

274.1571,
304.6185, 427.7527

■ 0.0000, 0.0000,
0.8481

■ 0.0000, 0.0000,
0.0000

■ 37.5603, 43.8903,
76.3041

■ 37.5603, 43.8903,
76.3041

■ 33.5413, 39.5547,
75.6799

■ 42.3662, 48.7543,
76.9905

■ 30.2507, 35.7128,
75.1118

■ 48.0034, 54.1687,
77.7384

■ 27.6287, 32.3329,
74.5976

■ 54.5178, 60.1598,
78.5515

■ 25.6022, 29.3753,
74.1335

■ 61.9504, 66.7504,
79.4318

■ 24.0474, 26.7743,
73.7134

■ 70.3399, 73.9621,
80.3817

■ 24.0145, 26.7179,
73.7042

■ 79.7222, 81.8151,
81.4030

■ 85.1444, 87.7577,
82.2642

■ 87.3540, 92.1768,
83.0007

■ 89.6539, 96.7767,
83.7674

Harmonies

Analogous

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



34.2599, 43.8903, 64.1661



37.5603, 43.8903, 76.3041



42.2175, 43.8903, 80.3609

Triad

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



37.5603, 43.8903, 76.3041



51.9200, 43.8903, 46.3739



36.7600, 43.8903, 28.4434

Complementary

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



37.5603, 43.8903, 76.3041



44.1047, 38.3541, 20.4092

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.



41.2193, 43.8903, 25.4766



37.5603, 43.8903, 76.3041



50.1832, 43.8903, 34.4666

Square

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



37.5603, 43.8903, 76.3041



50.7498, 43.8903, 61.1999



46.1683, 43.8903, 27.4440



33.8241, 43.8903, 36.4962

Rectangle

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



37.5603, 43.8903, 76.3041



45.5349, 43.8903, 77.3942



46.1683, 43.8903, 27.4440



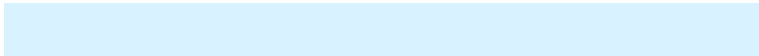
38.1176, 43.8903, 26.8989

Sweetspot

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



37.5617, 43.8919, 76.3051



78.4177, 85.5867, 106.9946



38.3493, 58.3325, 36.9052



16.3349, 17.9184, 22.8476



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.



37.5617, 43.8919, 76.3051



45.1225, 53.2309, 102.5041



28.3016, 25.3717, 73.2184



13.7116, 14.7623, 17.5144



14.2279, 15.9254, 43.3724



1.0675, 1.2664, 3.0334

Inverse Universe

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



45.0898, 30.8229, 50.0290



56.8905, 35.1224, 60.9081



54.6305, 59.4058, 23.9178



14.0906, 13.8539, 16.2475



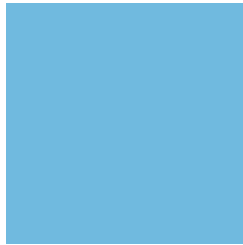
21.1218, 10.5157, 17.8390



1.5051, 0.7453, 1.4525

Previews

White Background



This preview shows how the XYZ color 37.5603, 43.8903, 76.3041 looks on a white background.

Color Contrast Check

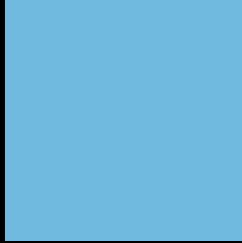
Large Text (above 18pt) WCAG AA × Fail

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 37.5603, 43.8903, 76.3041 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 37.5603, 43.8903, 76.3041

Background



This preview shows how black text looks on a background with the XYZ color 37.5603, 43.8903, 76.3041.



This preview shows how white text looks on a background with the XYZ color 37.5603, 43.8903,

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

37.5603, 43.8903, 76.3041

Protanopia

43.3381, 43.3939, 70.3817

Deuteranopia

44.6074, 43.5936, 78.0149



Tritanopia

35.0405, 43.8190, 63.7378

Trichromacy



Original Color

37.5603, 43.8903, 76.3041

Protanomaly

40.6079, 43.1058, 72.5097

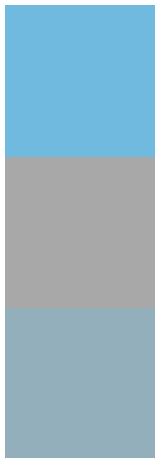
Deuteranomaly

41.5436, 43.4801, 77.4371

Tritanomaly

35.9254, 43.8577, 68.1999

Monochromacy



Original Color

37.5603, 43.8903, 76.3041

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.6198, 40.5867, 53.4809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5603, 43.8903, 76.3041 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(112, 186, 223)` looks like.

```
.text, #text, p{  
    color:rgb(112, 186, 223)  
}
```

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(112, 186, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 186, 223) }
```

Border

The CSS property to change the border of an element to XYZ 37.5603, 43.8903, 76.3041 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(112, 186, 223) }
```


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

```
.border{ border-color:rgb(112, 186, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 186, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 186, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 186, 223);  
box-shadow:4px 4px 4px 4px rgb(112, 186,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5603, 43.8903, 76.3041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 186, 223) }
```

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

```
.background{ background-color: rgb(112,  
186, 223) }
```

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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