

Converting Colors

XYZ(37.7975, 43.2139, 70.6045)

Have a look what the booklet for
XYZ(37.7975, 43.2139, 70.6045)
contains.

XYZ(37.8034, 43.2089, 70.6377)	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(37.8034, 43.2089,
70.6377)**

Conversions

Conversions Part 1

Format	Color
Hex	7EB7D7
RGB	126, 183, 215
RGB Percent	49%, 72%, 84%
CMY	0.5059, 0.2823, 0.1569
CMYK	0.41, 0.15, 0.00, 0.16
HSL	202°, 53%, 67%
HSV	202°, 41%, 84%
XYZ	37.8034, 43.2089, 70.6377
YIQ	169.6050, -44.2440, -2.1320

Conversions

Conversions Part 2

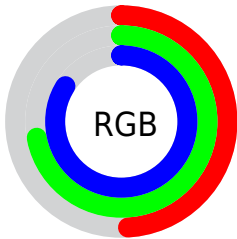
Format	Color
RYB	126, 161, 215
Decimal	8304599
CIELab	71.70, -10.30, -21.94
CIElCh	72, 24.232, 244.856
Yxy	43.2089, 0.2493, 0.2849
Android (android.graphics.Color)	4286494679 (0xFF7EB7D7)
YUV	169.6050, 22.3797, -38.2416
Hunter-Lab	65.7335, -12.3780, -17.7001

Details

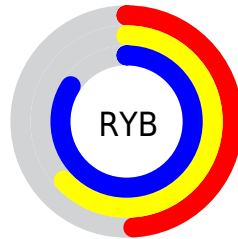
The XYZ color **37.8034, 43.2089, 70.6377** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **44.0180, 40.4080, 25.2195**, and the grayscale version is **37.9212, 39.8960, 43.4468**.

A 20% lighter version of the original color is **68.2079, 78.8981, 106.2417**, and **16.9263, 19.8429, 36.1957** is the 20% darker color. If you saturate the color by 10%, you get **33.4166, 38.6460, 69.9890**, and if you desaturate by 10%, it is **42.9618, 48.3015, 71.3496**.

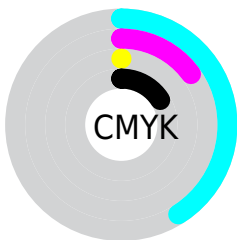
Distribution



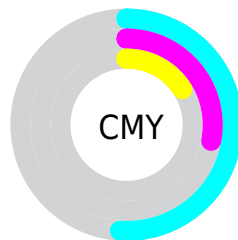
- Red (49%)
- Green (72%)
- Blue (84%)



- Red (49%)
- Yellow (63%)
- Blue (84%)



- Cyan (41%)
- Magenta (15%)
- Yellow (0%)
- Black (16%)



- Cyan (51%)
- Magenta (28%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8034, 43.2089, 70.6377 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 37.8034, 43.2089, 70.6377 by changing the saturation by 10% instead.

■ 37.8034, 43.2089,
70.6377

■ 37.8034, 43.2089,
70.6377

328.0713,
359.4702, 481.6354

■ 26.0067, 30.0491,
51.5666

■ 71.1125, 80.0260,
121.8073

■ 16.9613, 19.8758,
36.2799

■ 93.3557, 104.4521,
154.7429

■ 10.3021, 12.3048,
24.3590

■ 119.8116,
133.4023, 193.1371

■ 5.6635, 6.9516,
15.3855

150.8457,
167.2611, 237.4084

■ 2.6803, 3.4319,
8.9408

186.8234,
206.4129, 287.9753

■ 0.9870, 1.3611,
4.6063

228.1100,

■ 0.0000, 0.1878,

251.2421, 345.2564

1.9635

275.0709,
302.1330, 409.6703

■ 0.0000, 0.0000,
0.5327

■ 0.0000, 0.0000,
0.0000

■ 37.8034, 43.2089,
70.6377

■ 37.8034, 43.2089,
70.6377

■ 33.4166, 38.6460,
69.9890

■ 42.9618, 48.3015,
71.3496

■ 29.7519, 34.5823,
69.3977

■ 48.9291, 53.9422,
72.1238

■ 26.7599, 30.9913,
68.8623

■ 55.7452, 60.1544,
72.9636

■ 24.3828, 27.8409,
68.3795

■ 63.4457, 66.9585,
73.8711

■ 22.5516, 25.0934,
67.9457

■ 72.0645, 74.3738,
74.8481

■ 21.3114, 22.9974,
67.6065

■ 81.6315, 82.4176,
75.8965

■ 83.8231, 86.8007,
76.6270

■ 86.1111, 91.3769,
77.3897

■ 88.4969, 96.1484,
78.1850

Harmonies

Analogous

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



34.9225, 43.2089, 61.1947



37.8034, 43.2089, 70.6377



41.7409, 43.2089, 73.3764

Triad

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



37.8034, 43.2089, 70.6377



49.4520, 43.2089, 45.1584



36.7182, 43.2089, 30.8195

Complementary

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



37.8034, 43.2089, 70.6377



44.0180, 40.4080, 25.2195

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.



40.4039, 43.2089, 27.9161



37.8034, 43.2089, 70.6377



47.8969, 43.2089, 35.2677

Square

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



37.8034, 43.2089, 70.6377



48.6414, 43.2089, 57.3277



44.5169, 43.2089, 29.3978



34.3259, 43.2089, 38.0756

Rectangle

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



37.8034, 43.2089, 70.6377



44.4789, 43.2089, 70.7009



44.5169, 43.2089, 29.3978



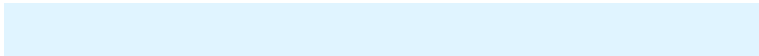
37.8376, 43.2089, 29.3626

Sweetspot

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



37.8048, 43.2106, 70.6387



81.2647, 87.8315, 107.2778



39.0043, 55.4769, 40.6191



17.0978, 18.5327, 22.9260



0.0000, 0.0000, 0.0000



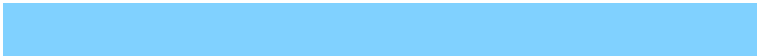
20.3446, 21.4041, 23.3091

Same Dimension

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



37.8048, 43.2106, 70.6387



49.7165, 57.4495, 103.0763



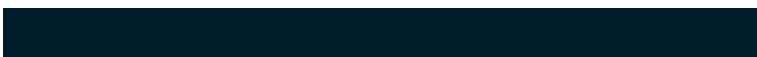
30.1545, 27.9100, 68.0886



12.3992, 13.3218, 15.8554



12.8503, 13.9623, 40.4709



0.8522, 0.9964, 2.4667

Inverse Universe

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



44.0336, 32.7889, 48.8096



60.4224, 41.1795, 65.1886



52.8297, 58.0314, 28.1567



12.7547, 12.5534, 14.6485



19.5451, 9.7543, 15.4403



1.2178, 0.6039, 1.1362

Previews

White Background



This preview shows how the XYZ color 37.8034, 43.2089, 70.6377 looks on a white background.

Color Contrast Check

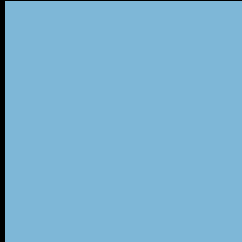
Large Text (above 18pt) WCAG AA × Fail

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 37.8034, 43.2089, 70.6377 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

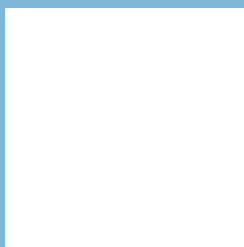
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8034, 43.2089, 70.6377

Background



This preview shows how black text looks on a background with the XYZ color 37.8034, 43.2089, 70.6377.



This preview shows how white text looks on a background with the XYZ color 37.8034, 43.2089,

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

37.8034, 43.2089, 70.6377

Protanopia

42.4772, 42.7660, 65.6904

Deuteranopia

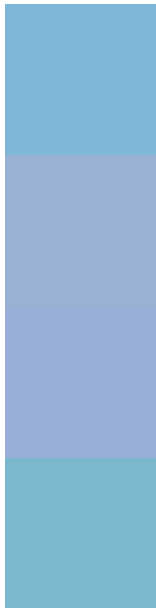
43.6649, 42.6816, 71.5826



Tritanopia

35.8003, 43.0056, 61.0576

Trichromacy



Original Color

37.8034, 43.2089, 70.6377

Protanomaly

40.6169, 42.9197, 67.7716

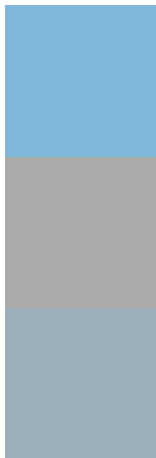
Deuteranomaly

41.0511, 42.4878, 71.0031

Tritanomaly

36.3283, 42.8997, 64.1234

Monochromacy



Original Color

37.8034, 43.2089, 70.6377

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.5193, 41.0751, 52.4052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8034, 43.2089, 70.6377 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(126, 183, 215)` looks like.

```
.text, #text, p{  
    color:rgb(126, 183, 215)  
}
```

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(126, 183, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 183, 215) }
```

Border

The CSS property to change the border of an element to XYZ 37.8034, 43.2089, 70.6377 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(126, 183, 215) }
```


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

```
.border{ border-color:rgb(126, 183, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 183, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 183, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 183, 215);  
box-shadow:4px 4px 4px 4px rgb(126, 183,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8034, 43.2089, 70.6377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 183, 215) }
```

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

```
.background{ background-color: rgb(126,  
183, 215) }
```

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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