

Converting Colors

XYZ(38.7076, 42.7513, 71.1775)

Have a look what the booklet for
XYZ(38.7076, 42.7513, 71.1775)
contains.

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Color

**XYZ(38.7076, 42.7513,
71.1775)**

Conversions

Conversions Part 1

Format	Color
Hex	87B4D8
RGB	135, 180, 216
RGB Percent	53%, 71%, 85%
CMY	0.4706, 0.2941, 0.1529
CMYK	0.37, 0.17, 0.00, 0.15
HSL	207°, 51%, 69%
HSV	207°, 37%, 85%
XYZ	38.7076, 42.7513, 71.1775
YIQ	170.6490, -38.3760, 1.6560

Conversions

Conversions Part 2

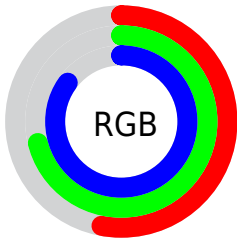
Format	Color
RYB	135, 164, 216
Decimal	8893656
CIELab	71.39, -6.05, -22.91
CIELCh	71, 23.696, 255.212
Yxy	42.7513, 0.2536, 0.2801
Android (android.graphics.Color)	4287083736 (0xFF87B4D8)
YUV	170.6490, 22.3580, -31.2642
Hunter-Lab	65.3845, -8.7509, -18.7739

Details

The XYZ color **38.7076, 42.7513, 71.1775** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.2558, 45.4748, 29.2098**, and the grayscale version is **38.4392, 40.4410, 44.0402**.

A 20% lighter version of the original color is **69.5313, 78.2873, 106.0540**, and **17.4157, 19.5013, 36.5644** is the 20% darker color. If you saturate the color by 10%, you get **33.7074, 37.3964, 70.4082**, and if you desaturate by 10%, it is **44.5498, 48.7414, 72.0265**.

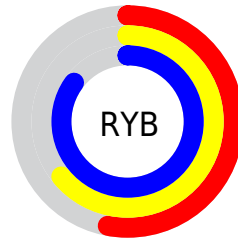
Distribution



Red (53%)

Green (71%)

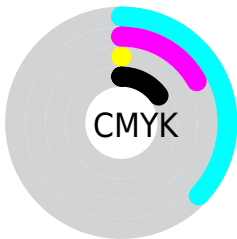
Blue (85%)



Red (53%)

Yellow (64%)

Blue (85%)

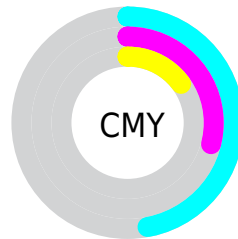


Cyan (37%)

Magenta (17%)

Yellow (0%)

Black (15%)



Cyan (47%)

Magenta (29%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7076, 42.7513, 71.1775 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 38.7076, 42.7513, 71.1775 by changing the saturation by 10% instead.

■ 38.7076, 42.7513,
71.1775

■ 38.7076, 42.7513,
71.1775

331.8743,
357.5880, 483.5741

■ 26.7120, 29.6900,
52.0043

■ 72.4884, 79.3354,
122.5832

■ 17.4925, 19.6034,
36.6263

■ 95.0042, 103.6271,
155.6529

■ 10.6838, 12.1071,
24.6247

■ 121.7576,
132.4310, 194.1918

■ 5.9203, 6.8167,
15.5812

153.1139,
166.1315, 238.6185

■ 2.8369, 3.3477,
9.0772

189.4383,
205.1131, 289.3516

■ 1.0681, 1.3158,
4.6941

231.0963,

■ 0.0000, 0.1534,

249.7601, 346.8095

2.0133

278.4532,
300.4569, 411.4108

■ 0.0000, 0.0000,
0.5634

■ 0.0000, 0.0000,
0.0000

■ 38.7076, 42.7513,
71.1775

■ 38.7076, 42.7513,
71.1775

■ 33.7074, 37.3964,
70.4082

■ 44.5498, 48.7414,
72.0265

■ 29.4994, 32.6443,
69.7127

■ 51.2718, 55.3873,
72.9550

■ 26.0348, 28.4665,
69.0889

■ 58.9139, 62.7144,
73.9665

■ 23.2566, 24.8295,
68.5334

■ 67.5126, 70.7453,
75.0634

■ 21.0988, 21.6947,
68.0420

■ 77.1023, 79.5013,
76.2481

■ 19.4718, 19.0115,
67.6098

■ 84.0935, 87.1354,
77.3531

■ 19.1117, 18.3917,
67.5092

■ 86.9573, 92.8628,
78.3077

■ 89.3948, 97.7379,
79.1202

Harmonies

Analogous

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



35.4671, 42.7513, 63.9411



38.7076, 42.7513, 71.1775



42.6794, 42.7513, 71.1218

Triad

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



38.7076, 42.7513, 71.1775



48.4924, 42.7513, 41.0206



35.4305, 42.7513, 32.7271

Complementary

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



38.7076, 42.7513, 71.1775



47.2558, 45.4748, 29.2098

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.



38.6547, 42.7513, 28.4090



38.7076, 42.7513, 71.1775



46.2795, 42.7513, 32.6365

Square

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



38.7076, 42.7513, 71.1775



48.5089, 42.7513, 52.3831



42.6229, 42.7513, 28.3788



33.6608, 42.7513, 41.1648

Rectangle

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



38.7076, 42.7513, 71.1775



45.2180, 42.7513, 66.8981



42.6229, 42.7513, 28.3788



36.3704, 42.7513, 30.8114

Sweetspot

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



38.7090, 42.7530, 71.1785



81.6240, 87.3652, 107.1689



41.8138, 57.1697, 46.9121



17.1421, 18.3851, 22.8951



0.0000, 0.0000, 0.0000



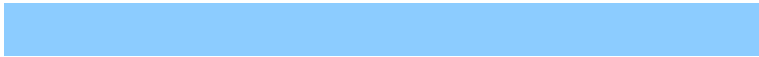
20.3446, 21.4041, 23.3091

Same Dimension

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



38.7090, 42.7530, 71.1785



50.5006, 56.0037, 102.7559



31.8242, 28.9834, 68.8836



12.3090, 13.1414, 15.8253



11.4213, 11.1044, 39.9946



0.7709, 0.8337, 2.4396

Inverse Universe

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



45.2223, 35.2234, 47.5971



61.5539, 44.4490, 62.4630



55.8880, 62.7391, 32.0872



12.7092, 12.5352, 14.4087



18.8238, 9.4658, 11.6422



1.1767, 0.5875, 0.9201

Previews

White Background



This preview shows how the XYZ color 38.7076, 42.7513, 71.1775 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 38.7076, 42.7513, 71.1775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

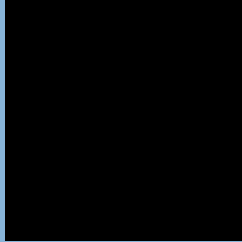
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7076, 42.7513, 71.1775

Background



This preview shows how black text looks on a background with the XYZ color 38.7076, 42.7513, 71.1775.



This preview shows how white text looks on a background with the XYZ color 38.7076, 42.7513,

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

38.7076, 42.7513, 71.1775

Protanopia

42.4273, 42.6973, 67.6333

Deuteranopia

43.5800, 42.6228, 72.2598



Tritanopia

36.3324, 42.6900, 59.7512

Trichromacy



Original Color

38.7076, 42.7513, 71.1775

Protanomaly

41.0531, 42.8233, 69.0528

Deuteranomaly

41.5651, 42.4500, 71.6486

Tritanomaly

37.2631, 42.7692, 64.0489

Monochromacy



Original Color

38.7076, 42.7513, 71.1775

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.2062, 41.1291, 52.9387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7076, 42.7513, 71.1775 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(135, 180, 216)` looks like.

```
.text, #text, p{  
    color:rgb(135, 180, 216)  
}
```

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(135, 180, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 180, 216) }
```

Border

The CSS property to change the border of an element to XYZ 38.7076, 42.7513, 71.1775 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(135, 180, 216) }
```


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

```
.border{ border-color:rgb(135, 180, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 180, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 180, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 180, 216);  
box-shadow:4px 4px 4px 4px rgb(135, 180,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7076, 42.7513, 71.1775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 180, 216) }
```

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

```
.background{ background-color: rgb(135,  
180, 216) }
```

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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