

Converting Colors

XYZ(40.7803, 47.2208, 71.2615)

Have a look what the booklet for
XYZ(40.7803, 47.2208, 71.2615)
contains.

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Color

**XYZ(40.8882, 47.3188,
71.2684)**

Conversions

Conversions Part 1

Format	Color
Hex	87BFD7
RGB	135, 191, 215
RGB Percent	53%, 75%, 84%
CMY	0.4706, 0.2510, 0.1569
CMYK	0.37, 0.11, 0.00, 0.16
HSL	198°, 50%, 69%
HSV	198°, 37%, 84%
XYZ	40.8882, 47.3188, 71.2684
YIQ	176.9920, -41.0800, -4.4080

Conversions

Conversions Part 2

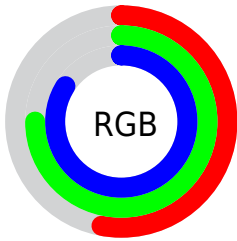
Format	Color
RYB	135, 168, 215
Decimal	8896471
CIELab	74.39, -12.18, -17.80
CIElCh	74, 21.567, 235.621
Yxy	47.3188, 0.2564, 0.2967
Android (android.graphics.Color)	4287086551 (0xFF87BFD7)
YUV	176.9920, 18.7379, -36.8270
Hunter-Lab	68.7887, -14.2792, -13.2753

Details

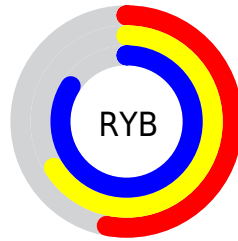
The XYZ color **40.8882, 47.3188, 71.2684** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.7964, 40.9933, 28.4744**, and the grayscale version is **41.7071, 43.8791, 47.7844**.

A 20% lighter version of the original color is **72.7966, 84.8179, 107.1424**, and **18.8270, 22.4644, 36.6015** is the 20% darker color. If you saturate the color by 10%, you get **36.3967, 42.9621, 70.6650**, and if you desaturate by 10%, it is **46.1431, 52.1632, 71.9273**.

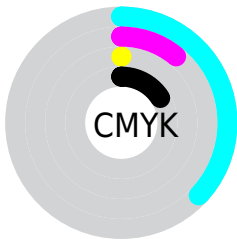
Distribution



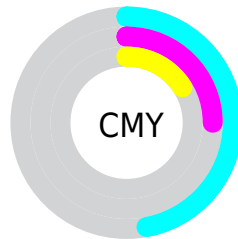
- Red (53%)
- Green (75%)
- Blue (84%)



- Red (53%)
- Yellow (66%)
- Blue (84%)



- Cyan (37%)
- Magenta (11%)
- Yellow (0%)
- Black (16%)



- Cyan (47%)
- Magenta (25%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8882, 47.3188, 71.2684 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 40.8882, 47.3188, 71.2684 by changing the saturation by 10% instead.

■ 40.8882, 47.3188,
71.2684

■ 40.8882, 47.3188,
71.2684

340.9237,
376.0856, 483.9001

■ 28.4190, 33.2877,
52.0781

■ 75.7899, 86.1893,
122.7138

■ 18.7838, 22.3470,
36.6846

■ 98.9532, 111.7975,
155.8060

■ 11.6173, 14.1121,
24.6696

■ 126.4119,
142.0336, 194.3693

■ 6.5540, 8.1987,
15.6143

158.5313,
177.2819, 238.8221

■ 3.2286, 4.2223,
9.1002

195.6768,
217.9269, 289.5831

■ 1.2758, 1.7987,
4.7089

238.2138,

■ 0.1650, 0.4864,

264.3529, 347.0707

2.0218

286.5077,
316.9444, 411.7035

■ 0.0000, 0.0000,
0.5686

■ 0.0000, 0.0000,
0.0000

■ 40.8882, 47.3188,
71.2684

■ 40.8882, 47.3188,
71.2684

■ 36.3967, 42.9621,
70.6650

■ 46.1431, 52.1632,
71.9273

■ 32.6210, 39.0641,
70.1116

■ 52.1966, 57.5112,
72.6405

■ 29.5150, 35.6010,
69.6069

■ 59.0866, 63.3848,
73.4111

■ 27.0248, 32.5437,
69.1480

■ 66.8477, 69.8028,
74.2408

■ 25.0874, 29.8585,
68.7318

■ 75.5120, 76.7828,
75.1315

■ 23.6190, 27.5010,
68.3542

■ 81.7196, 82.5938,
75.9259

■ 23.2530, 26.8806,
68.2537

■ 83.5448, 86.2441,
76.5343

■ 85.4370, 90.0286,
77.1651

■ 87.3970, 93.9486,
77.8184

Harmonies

Analogous

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



38.5713, 47.3188, 61.3357



40.8882, 47.3188, 71.2684



44.4072, 47.3188, 75.9275

Triad

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



40.8882, 47.3188, 71.2684



52.8405, 47.3188, 53.1728



41.8223, 47.3188, 34.5420

Complementary

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



40.8882, 47.3188, 71.2684



44.7964, 40.9933, 28.4744

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.



45.5478, 47.3188, 33.0023



40.8882, 47.3188, 71.2684



52.0512, 47.3188, 42.8154

Square

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



40.8882, 47.3188, 71.2684



51.4250, 47.3188, 64.5687



49.3256, 47.3188, 35.8083



39.0884, 47.3188, 40.3632

Rectangle

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



40.8882, 47.3188, 71.2684



47.0163, 47.3188, 74.9892



49.3256, 47.3188, 35.8083



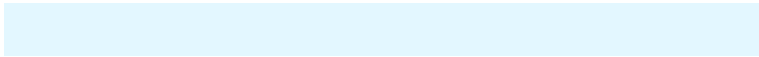
42.9939, 47.3188, 33.5458

Sweetspot

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



40.8897, 47.3206, 71.2695



82.8469, 89.8111, 107.5765



40.4361, 56.2099, 40.9172



17.4341, 18.9691, 22.9925



0.0000, 0.0000, 0.0000



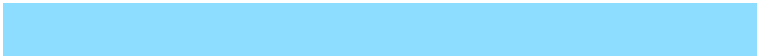
20.3446, 21.4041, 23.3091

Same Dimension

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



40.8897, 47.3206, 71.2695



54.6524, 64.3071, 104.1398



33.5410, 32.6233, 68.8199



12.4631, 13.4496, 15.8767



14.0047, 16.2711, 40.8557



0.9156, 1.1231, 2.4878

Inverse Universe

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



46.0935, 35.5379, 53.7223



63.6495, 45.2873, 73.4983



52.5165, 56.4333, 31.0477



12.7869, 12.5663, 14.8183



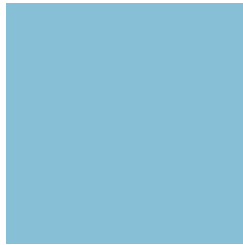
20.1278, 9.9874, 18.5087



1.2498, 0.6167, 1.3047

Previews

White Background



This preview shows how the XYZ color 40.8882, 47.3188, 71.2684 looks on a white background.

Color Contrast Check

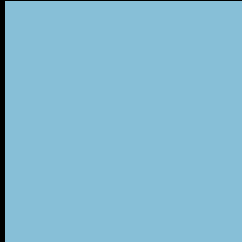
Large Text (above 18pt) WCAG AA × Fail

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 40.8882, 47.3188, 71.2684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

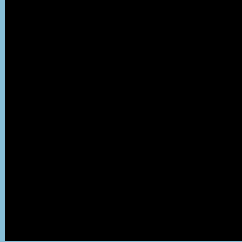
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8882, 47.3188, 71.2684

Background



This preview shows how black text looks on a background with the XYZ color 40.8882, 47.3188, 71.2684.



This preview shows how white text looks on a background with the XYZ color 40.8882, 47.3188,

71.2684.

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

40.8882, 47.3188, 71.2684

Protanopia

46.2691, 47.0668, 66.3207

Deuteranopia

48.1037, 46.9700, 72.8604



Tritanopia

39.9077, 47.2399, 66.6894

Trichromacy



Original Color

40.8882, 47.3188, 71.2684

Protanomaly

44.0071, 47.0825, 68.3964

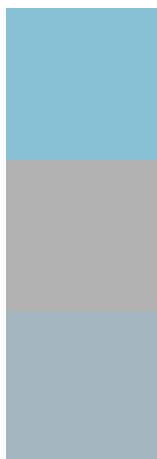
Deuteranomaly

45.1838, 46.9837, 72.3330

Tritanomaly

40.4390, 47.4708, 68.6594

Monochromacy



Original Color

40.8882, 47.3188, 71.2684

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.0322, 44.8989, 55.7939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8882, 47.3188, 71.2684 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, 191, 215)` looks like.

```
.text, #text, p{  
    color:rgb(135, 191, 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(135, 191, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 191, 215) }
```

Border

The CSS property to change the border of an element to XYZ 40.8882, 47.3188, 71.2684 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, 191, 215) }
```


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

```
.border{ border-color:rgb(135, 191, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 191, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 191, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 191, 215);  
box-shadow:4px 4px 4px 4px rgb(135, 191,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8882, 47.3188, 71.2684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 191, 215) }
```

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

```
.background{ background-color: rgb(135,  
191, 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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