

Converting Colors

XYZ(42.0965, 47.3643, 78.8587)

Have a look what the booklet for
XYZ(42.0965, 47.3643, 78.8587)
contains.

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Color

**XYZ(42.1326, 47.4688,
78.8933)**

Conversions

Conversions Part 1	
Format	Color
Hex	87BEE2
RGB	135, 190, 226
RGB Percent	53%, 75%, 89%
CMY	0.4706, 0.2549, 0.1137
CMYK	0.40, 0.16, 0.00, 0.11
HSL	204°, 61%, 71%
HSV	204°, 40%, 89%
XYZ	42.1326, 47.4688, 78.8933
YIQ	177.6590, -44.3360, -0.4640

Conversions

Conversions Part 2

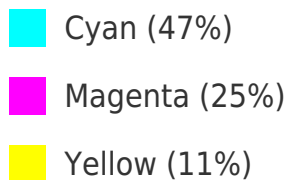
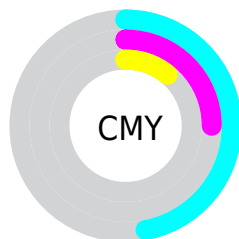
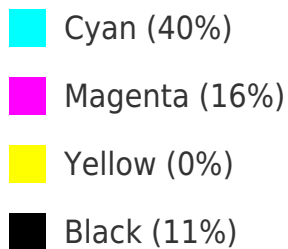
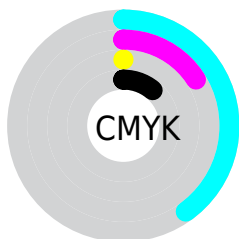
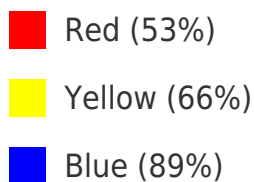
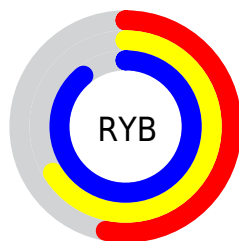
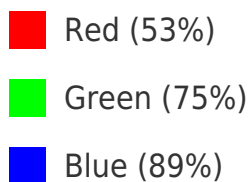
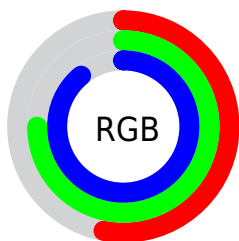
Format	Color
RYB	135, 169, 226
Decimal	8896226
CIELab	74.49, -8.80, -23.62
CIELCh	74, 25.205, 249.569
Yxy	47.4688, 0.2501, 0.2817
Android (android.graphics.Color)	4287086306 (0xFF87BEE2)
YUV	177.6590, 23.8321, -37.4119
Hunter-Lab	68.8976, -11.4136, -19.6635

Details

The XYZ color **42.1326, 47.4688, 78.8933** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.3011, 47.0449, 29.3525**, and the grayscale version is **42.0331, 44.2221, 48.1578**.

A 20% lighter version of the original color is **72.4916, 84.2079, 107.0408**, and **19.6046, 22.5371, 41.8449** is the 20% darker color. If you saturate the color by 10%, you get **36.9979, 42.0357, 78.1161**, and if you desaturate by 10%, it is **48.1609, 53.5410, 79.7485**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1326, 47.4688, 78.8933 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 42.1326, 47.4688, 78.8933 by changing the saturation by 10% instead.


 42.1326, 47.4688,
78.8933


 42.1326, 47.4688,
78.8933


346.0146,
376.6827, 510.8034

 29.3967, 33.4064,
58.2873

 77.6642, 86.4130,
133.6059

 19.5269, 22.4380,
41.6234

 101.1906,
112.0635, 168.5497

 12.1579, 14.1791,
28.4832


 129.0445,
142.3456, 209.1097

 6.9243, 8.2453,
18.4480

161.5913,
177.6436, 255.7045

 3.4607, 4.2523,
11.0993

199.1964,
218.3420, 308.7528

 1.4018, 1.8157,
6.0187

242.2250,

 0.2575, 0.4969,

264.8250, 368.6730

2.7875

291.0427,
317.4771, 435.8837

0.0000, 0.0000,
0.9872

0.0000, 0.0000,
0.0000

42.1326, 47.4688,
78.8933

42.1326, 47.4688,
78.8933

36.9979, 42.0357,
78.1161

48.1609, 53.5410,
79.7485

32.7008, 37.2065,
77.4104

55.1253, 60.2742,
80.6810

29.1859, 32.9506,
76.7742

63.0707, 67.6955,
81.6947

26.3880, 29.2310,
76.2037

72.0378, 75.8288,
82.7920

■ 24.2300, 26.0046,
75.6947

■ 82.0648, 84.6966,
83.9752

■ 22.6161, 23.2679,
75.2515

■ 87.2119, 91.2396,
84.9668

■ 89.9625, 96.7408,
85.8837

■ 90.7276, 98.2711,
86.1387

Harmonies

Analogous

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



38.7053, 47.4688, 69.3412



42.1326, 47.4688, 78.8933



46.5873, 47.4688, 80.5317

Triad

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



42.1326, 47.4688, 78.8933



54.3042, 47.4688, 47.6322



39.7721, 47.4688, 34.6800

Complementary

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



42.1326, 47.4688, 78.8933



50.3011, 47.0449, 29.3525

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.



43.6793, 47.4688, 30.7098



42.1326, 47.4688, 78.8933



52.2018, 47.4688, 37.3141

Square

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



42.1326, 47.4688, 78.8933



53.8207, 47.4688, 60.9327



48.2405, 47.4688, 31.5854



37.4074, 47.4688, 43.4246

Rectangle

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



42.1326, 47.4688, 78.8933



49.5731, 47.4688, 76.6785



48.2405, 47.4688, 31.5854



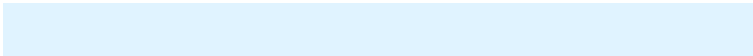
40.9376, 47.4688, 32.8156

Sweetspot

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



42.1341, 47.4706, 78.8944



80.9337, 87.1695, 107.1675



44.4339, 62.4426, 47.6845



17.0197, 18.3767, 22.9000



0.0000, 0.0000, 0.0000



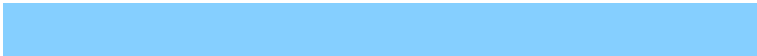
20.3446, 21.4041, 23.3091

Same Dimension

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



42.1341, 47.4706, 78.8944



49.8709, 56.5961, 102.9034



33.9404, 31.0832, 76.1632



13.6378, 14.6147, 17.4898



13.0212, 13.5120, 42.9701



0.9892, 1.1098, 3.0073

Inverse Universe

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



49.3236, 37.2159, 53.3008



60.7840, 42.4102, 63.7445



60.1364, 66.7154, 32.6310



14.0534, 13.8390, 16.0514



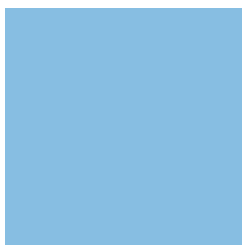
20.5127, 10.2721, 14.6316



1.4656, 0.7295, 1.2444

Previews

White Background



This preview shows how the XYZ color 42.1326, 47.4688, 78.8933 looks on a white background.

Color Contrast Check

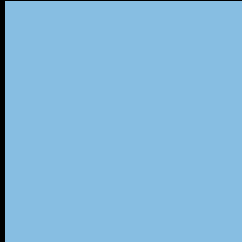
Large Text (above 18pt) WCAG AA × Fail

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 42.1326, 47.4688, 78.8933 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

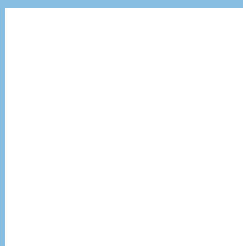
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1326, 47.4688, 78.8933

Background



This preview shows how black text looks on a background with the XYZ color 42.1326, 47.4688, 78.8933.



This preview shows how white text looks on a background with the XYZ color 42.1326, 47.4688,

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

42.1326, 47.4688, 78.8933

Protanopia

46.8977, 47.2137, 74.3515

Deuteranopia

48.2552, 47.1887, 79.9638



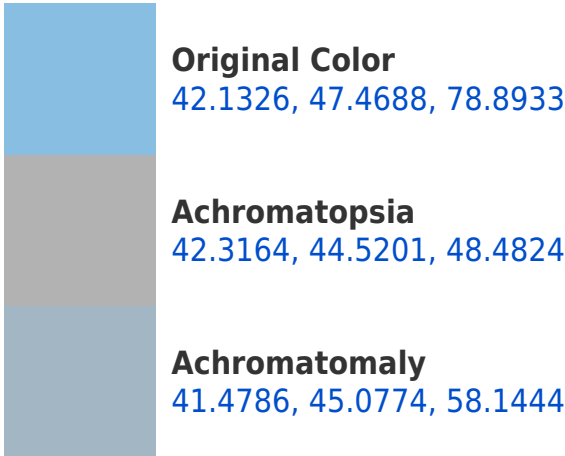
Tritanopia

39.7845, 47.4892, 67.3911

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1326, 47.4688, 78.8933 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, 190, 226) looks like.

```
.text, #text, p{  
    color:rgb(135, 190, 226)  
}
```


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, 190, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 190, 226) }
```

Border

The CSS property to change the border of an element to XYZ 42.1326, 47.4688, 78.8933 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, 190, 226) }
```


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

```
.border{ border-color:rgb(135, 190, 226) }
```

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

Here you see how a box with a 4 pixel rgb(135, 190, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 190, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 190, 226);  
box-shadow:4px 4px 4px 4px rgb(135, 190,  
226) }
```


Background

The CSS property to change the background color of an element to XYZ 42.1326, 47.4688, 78.8933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 190, 226) }
```

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

```
.background{ background-color: rgb(135,  
190, 226) }
```

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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