

Converting Colors

XYZ(42.6672, 49.4903, 81.7991)

Have a look what the booklet for
XYZ(42.6672, 49.4903, 81.7991)
contains.

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Color

**XYZ(42.9249, 49.7822,
82.2095)**

Conversions

Conversions Part 1

Format	Color
Hex	80C4E6
RGB	128, 196, 230
RGB Percent	50%, 77%, 90%
CMY	0.4980, 0.2314, 0.0980
CMYK	0.44, 0.15, 0.00, 0.10
HSL	200°, 67%, 70%
HSV	200°, 44%, 90%
XYZ	42.9249, 49.7822, 82.2095
YIQ	179.5440, -51.4420, -3.8420

Conversions

Conversions Part 2

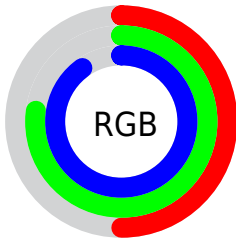
Format	Color
RYB	128, 169, 230
Decimal	8439014
CIELab	75.94, -12.66, -23.61
CIElCh	76, 26.788, 241.797
Yxy	49.7822, 0.2454, 0.2846
Android (android.graphics.Color)	4286629094 (0xFF80C4E6)
YUV	179.5440, 24.8748, -45.2041
Hunter-Lab	70.5565, -14.8787, -19.6927

Details

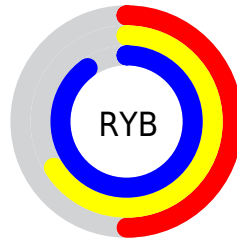
The XYZ color **42.9249, 49.7822, 82.2095** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.4508, 44.2233, 26.3531**, and the grayscale version is **43.0303, 45.2713, 49.3004**.

A 20% lighter version of the original color is **73.1829, 87.7848, 107.6948**, and **19.9115, 23.7416, 43.5775** is the 20% darker color. If you saturate the color by 10%, you get **38.1645, 44.8273, 81.5049**, and if you desaturate by 10%, it is **48.5609, 55.3219, 82.9826**.

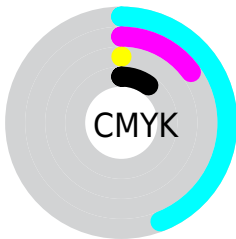
Distribution



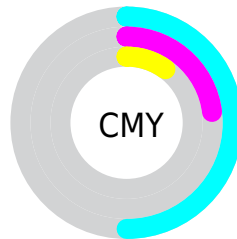
- Red (50%)
- Green (77%)
- Blue (90%)



- Red (50%)
- Yellow (66%)
- Blue (90%)



- Cyan (44%)
- Magenta (15%)
- Yellow (0%)
- Black (10%)



- Cyan (50%)
- Magenta (23%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9249, 49.7822, 82.2095 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 42.9249, 49.7822, 82.2095 by changing the saturation by 10% instead.

■ 42.9249, 49.7822,
82.2095

■ 42.9249, 49.7822,
82.2095

349.2296,
385.8136, 522.2500

■ 30.0205, 35.2404,
61.0014

■ 78.8539, 89.8521,
138.3071

■ 20.0023, 23.8481,
43.7957

■ 102.6092,
116.1489, 174.0336

■ 12.5050, 15.2210,
30.1740

■ 130.7122,
147.1329, 215.4368

■ 7.1632, 8.9746,
19.7175

163.5282,
183.1884, 262.9350

■ 3.6116, 4.7246,
12.0078

201.4226,
224.6999, 316.9469

■ 1.4848, 2.0866,
6.6264

244.7607,

■ 0.3155, 0.6571,

272.0516, 377.8911

3.1547

293.9079,
325.6280, 446.1859

■ 0.0000, 0.0000,
1.1742

■ 0.0000, 0.0000,
0.0000

■ 42.9249, 49.7822,
82.2095

■ 42.9249, 49.7822,
82.2095

■ 38.1645, 44.8273,
81.5049

■ 48.5609, 55.3219,
82.9826

■ 34.2200, 40.4211,
80.8623


■ 55.1175, 61.4682,
83.8234


■ 31.0313, 36.5318,
80.2797


■ 62.6425, 68.2486,
84.7355


■ 28.5269, 33.1205,
79.7532


■ 71.1784, 75.6870,
85.7214


 26.6199, 30.1404,
79.2785

 80.7654, 83.8057,
86.7832

 25.7295, 28.6060,
79.0293

 87.2759, 90.4788,
87.7281

 89.6058, 95.1387,
88.5047

 91.2831, 98.4932,
89.0638

Harmonies

Analogous

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



39.6204, 49.7822, 70.0125



42.9249, 49.7822, 82.2095



47.6181, 49.7822, 86.5735

Triad

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



42.9249, 49.7822, 82.2095



57.5702, 49.7822, 53.3471



42.4383, 49.7822, 34.0415

Complementary

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



42.9249, 49.7822, 82.2095



49.4508, 44.2233, 26.3531

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.



47.0162, 49.7822, 31.1148



42.9249, 49.7822, 82.2095



55.9497, 49.7822, 40.9751

Square

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



42.9249, 49.7822, 82.2095



56.2869, 49.7822, 68.2570



51.9978, 49.7822, 33.4134



39.3537, 49.7822, 42.2264

Rectangle

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



42.9249, 49.7822, 82.2095



50.9698, 49.7822, 83.9346



51.9978, 49.7822, 33.4134



43.8421, 49.7822, 32.4821

Sweetspot

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



42.9265, 49.7841, 82.2107



80.4640, 87.3974, 107.2362



43.5716, 63.7326, 43.4021



16.7399, 18.2794, 22.8959



0.0000, 0.0000, 0.0000



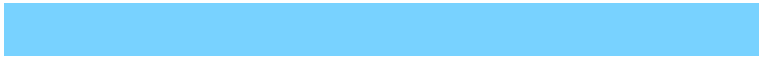
20.3446, 21.4041, 23.3091

Same Dimension

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



42.9265, 49.7841, 82.2107



48.8095, 57.2715, 103.0897



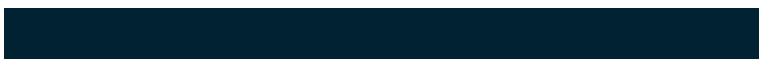
33.5735, 31.0781, 79.0930



14.3815, 15.4845, 18.3751



14.6832, 16.4286, 44.7803



1.1696, 1.3831, 3.3373

Inverse Universe

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



50.3174, 36.2483, 56.5711



59.5652, 39.3076, 65.3887



59.8994, 65.1205, 29.8360



14.7802, 14.5293, 17.0427



21.8049, 10.8562, 18.3995



1.6540, 0.8193, 1.5844

Previews

White Background



This preview shows how the XYZ color 42.9249, 49.7822, 82.2095 looks on a white background.

Color Contrast Check

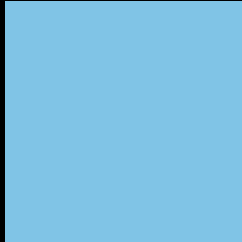
Large Text (above 18pt) WCAG AA × Fail

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 42.9249, 49.7822, 82.2095 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 42.9249, 49.7822, 82.2095

Background



This preview shows how black text looks on a background with the XYZ color 42.9249, 49.7822, 82.2095.



This preview shows how white text looks on a background with the XYZ color 42.9249, 49.7822,

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

42.9249, 49.7822, 82.2095

Protanopia

49.1242, 49.5556, 76.0833

Deuteranopia

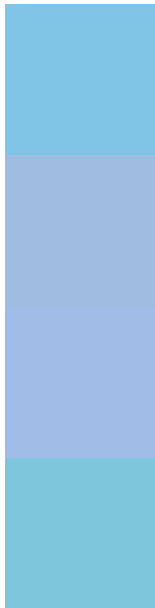
50.6975, 49.5739, 83.9875



Tritanopia

41.0013, 50.0382, 71.7873

Trichromacy



Original Color

42.9249, 49.7822, 82.2095

Protanomaly

46.2854, 49.3050, 78.3115

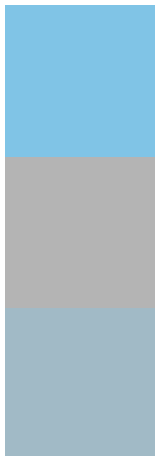
Deuteranomaly

47.4490, 49.4740, 83.3925

Tritanomaly

41.5698, 49.9154, 75.1538

Monochromacy



Original Color

42.9249, 49.7822, 82.2095

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.4499, 46.7721, 60.2166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9249, 49.7822, 82.2095 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(128, 196, 230)` looks like.

```
.text, #text, p{  
    color:rgb(128, 196, 230)  
}
```

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(128, 196, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 196, 230) }
```

Border

The CSS property to change the border of an element to XYZ 42.9249, 49.7822, 82.2095 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(128, 196, 230) }
```


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

```
.border{ border-color:rgb(128, 196, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 196, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 196, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 196, 230);  
box-shadow:4px 4px 4px 4px rgb(128, 196,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9249, 49.7822, 82.2095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 196, 230) }
```

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

```
.background{ background-color: rgb(128,  
196, 230) }
```

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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