

Converting Colors

XYZ(42.4816, 49.1185, 80.7556)

Have a look what the booklet for
XYZ(42.4816, 49.1185, 80.7556)
contains.

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Color

**XYZ(42.5720, 49.2988,
80.6706)**

Conversions

Conversions Part 1

Format	Color
Hex	81C3E4
RGB	129, 195, 228
RGB Percent	51%, 76%, 89%
CMY	0.4941, 0.2353, 0.1059
CMYK	0.43, 0.14, 0.00, 0.11
HSL	200°, 65%, 70%
HSV	200°, 43%, 89%
XYZ	42.5720, 49.2988, 80.6706
YIQ	179.0280, -49.9290, -3.7290

Conversions

Conversions Part 2

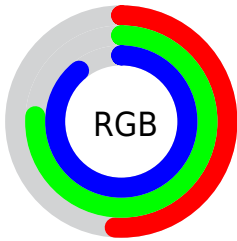
Format	Color
R _Y B	129, 169, 228
Decimal	8504292
CIE Lab	75.64, -12.43, -22.98
CIE LCh	76, 26.124, 241.595
Yxy	49.2988, 0.2467, 0.2857
Android (android.graphics.Color)	4286694372 (0xFF81C3E4)
YUV	179.0280, 24.1432, -43.8746
Hunter-Lab	70.2131, -14.6438, -18.9714

Details

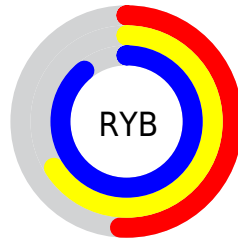
The XYZ color **42.5720, 49.2988, 80.6706** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.8788, 43.9208, 26.6719**, and the grayscale version is **42.7585, 44.9853, 48.9890**.

A 20% lighter version of the original color is **73.1101, 87.2799, 107.6011**, and **19.8154, 23.4834, 43.0235** is the 20% darker color. If you saturate the color by 10%, you get **37.8280, 44.3903, 79.9741**, and if you desaturate by 10%, it is **48.1785, 54.7827, 81.4345**.

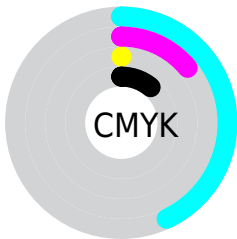
Distribution



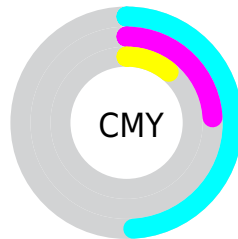
- Red (51%)
- Green (76%)
- Blue (89%)



- Red (51%)
- Yellow (66%)
- Blue (89%)



- Cyan (43%)
- Magenta (14%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5720, 49.2988, 80.6706 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 42.5720, 49.2988, 80.6706 by changing the saturation by 10% instead.

■ 42.5720, 49.2988,
80.6706

■ 42.5720, 49.2988,
80.6706

347.8001,
383.9174, 516.9562

■ 29.7425, 34.8566,
59.7409

■ 78.3243, 89.1351,
136.1281

■ 19.7903, 23.5524,
42.7859

■ 101.9779,
115.2979, 171.4929

■ 12.3501, 15.0019,
29.3870

■ 129.9702,
146.1364, 212.5066

■ 7.0565, 8.8207,
19.1257

162.6666,
182.0349, 259.5876

■ 3.5441, 4.6244,
11.5834

200.4324,
223.3779, 313.1546

■ 1.4476, 2.0286,
6.3416

243.6330,

■ 0.2898, 0.6240,

270.5497, 373.6260

2.9818

292.6338,
323.9348, 441.4203

■ 0.0000, 0.0000,
1.0853

■ 0.0000, 0.0000,
0.0000

■ 42.5720, 49.2988,
80.6706

■ 42.5720, 49.2988,
80.6706

■ 37.8280, 44.3903,
79.9741

■ 48.1785, 54.7827,
81.4345

■ 33.8885, 40.0222,
79.3386

■ 54.6911, 60.8633,
82.2649

■ 30.6953, 36.1638,
78.7621

■ 62.1562, 67.5671,
83.1654

■ 28.1797, 32.7775,
78.2411

■ 70.6153, 74.9175,
84.1384

■ 26.2585, 29.8185,
77.7712

■ 80.1073, 82.9363,
85.1858

■ 25.2325, 28.0589,
77.4857

■ 86.5814, 89.5369,
86.1187

■ 88.8733, 94.1206,
86.8826

■ 91.0038, 98.3815,
87.5928

Harmonies

Analogous

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



39.3756, 49.2988, 68.8714



42.5720, 49.2988, 80.6706



47.1163, 49.2988, 84.9361

Triad

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



42.5720, 49.2988, 80.6706



56.7787, 49.2988, 52.9403



42.1529, 49.2988, 34.0424

Complementary

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



42.5720, 49.2988, 80.6706



48.8788, 43.9208, 26.6719

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.



46.5987, 49.2988, 31.2185



42.5720, 49.2988, 80.6706



55.2307, 49.2988, 40.9015

Square

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



42.5720, 49.2988, 80.6706



55.5200, 49.2988, 67.3668



51.4204, 49.2988, 33.4982



39.1456, 49.2988, 41.9818

Rectangle

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



42.5720, 49.2988, 80.6706



50.3628, 49.2988, 82.4371



51.4204, 49.2988, 33.4982



43.5178, 49.2988, 32.5315

Sweetspot

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



42.5736, 49.3007, 80.6718



80.4640, 87.3974, 107.2362



43.1738, 62.7054, 43.2480



16.7399, 18.2794, 22.8959



0.0000, 0.0000, 0.0000



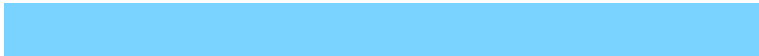
20.3446, 21.4041, 23.3091

Same Dimension

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



42.5736, 49.3007, 80.6718



49.3777, 57.8767, 103.1766



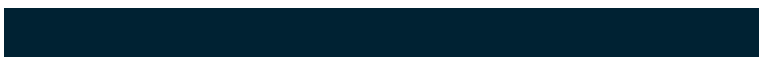
33.5154, 31.1844, 77.6524



14.3815, 15.4845, 18.3751



14.6832, 16.4285, 44.7803



1.1696, 1.3831, 3.3373

Inverse Universe

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



49.6969, 36.1362, 55.9874



59.9817, 39.9707, 66.0512



58.9681, 64.0993, 30.0350



14.7802, 14.5293, 17.0427



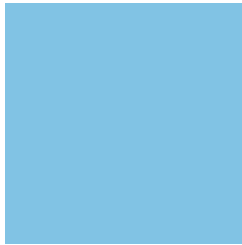
21.8049, 10.8562, 18.3995



1.6540, 0.8193, 1.5844

Previews

White Background



This preview shows how the XYZ color 42.5720, 49.2988, 80.6706 looks on a white background.

Color Contrast Check

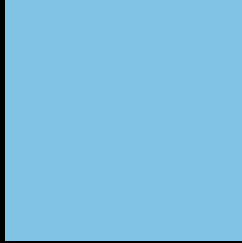
Large Text (above 18pt) WCAG AA × Fail

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 42.5720, 49.2988, 80.6706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

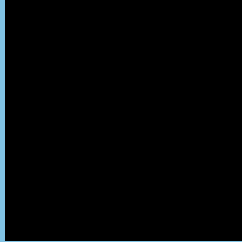
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.5720, 49.2988, 80.6706

Background



This preview shows how black text looks on a background with the XYZ color 42.5720, 49.2988, 80.6706.

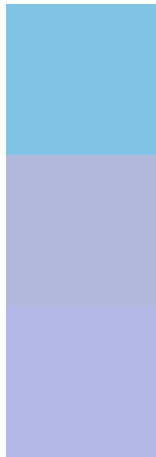


This preview shows how white text looks on a background with the XYZ color 42.5720, 49.2988,

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

42.5720, 49.2988, 80.6706

Protanopia

48.4189, 48.9133, 74.5994

Deuteranopia

49.9741, 48.9287, 82.4116



Tritanopia

40.4339, 49.0966, 70.2963

Trichromacy



Original Color

42.5720, 49.2988, 80.6706

Protanomaly

45.7997, 48.7677, 76.8112

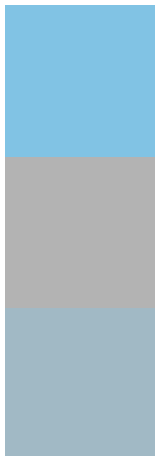
Deuteranomaly

46.7512, 48.8309, 81.8242

Tritanomaly

40.9990, 48.9774, 73.6224

Monochromacy



Original Color

42.5720, 49.2988, 80.6706

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.1249, 46.3062, 59.5411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5720, 49.2988, 80.6706 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(129, 195, 228)` looks like.

```
.text, #text, p{  
    color:rgb(129, 195, 228)  
}
```

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(129, 195, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 195, 228) }
```

Border

The CSS property to change the border of an element to XYZ 42.5720, 49.2988, 80.6706 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(129, 195, 228) }
```


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

```
.border{ border-color:rgb(129, 195, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 195, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 195, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 195, 228); box-shadow:4px 4px 4px 4px rgb(129, 195, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5720, 49.2988, 80.6706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 195, 228) }
```

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

```
.background{ background-color: rgb(129,  
195, 228) }
```

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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