

Converting Colors

XYZ(40.9088, 40.9388,
100.3536)

Have a look what the booklet for
XYZ(40.9088, 40.9388, 100.3536)
contains.

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Color

**XYZ(40.8286, 40.8626,
100.3431)**

Conversions

Conversions Part 1

Format	Color
Hex	7AACFF
RGB	122, 172, 255
RGB Percent	48%, 67%, 100%
CMY	0.5215, 0.3255, 0.0000
CMYK	0.52, 0.33, 0.00, 0.00
HSL	217°, 100%, 74%
HSV	217°, 52%, 100%
XYZ	40.8286, 40.8626, 100.3431
YIQ	166.5120, -56.4430, 15.2130

Conversions

Conversions Part 2

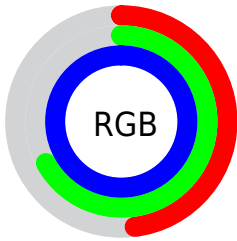
Format	Color
RYB	122, 158, 255
Decimal	8039679
CIELab	70.08, 6.23, -46.22
CIELCh	70, 46.633, 277.679
Yxy	40.8626, 0.2243, 0.2245
Android (android.graphics.Color)	4286229759 (0xFF7AACFF)
YUV	166.5120, 43.6246, -39.0370
Hunter-Lab	63.9239, 2.1424, -48.3225

Details

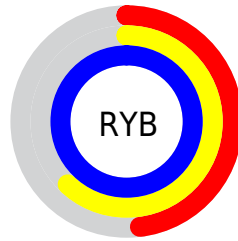
The XYZ color **40.8286, 40.8626, 100.3431** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **66.5857, 66.3301, 27.7081**, and the grayscale version is **36.3095, 38.2004, 41.6003**.

A 20% lighter version of the original color is **64.5751, 71.9819, 105.0982**, and **18.7730, 18.4708, 56.0019** is the 20% darker color. If you saturate the color by 10%, you get **34.8307, 33.5410, 99.2460**, and if you desaturate by 10%, it is **48.1390, 49.4006, 101.6058**.

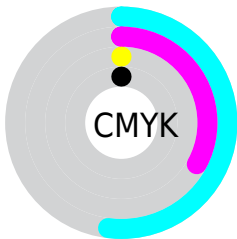
Distribution



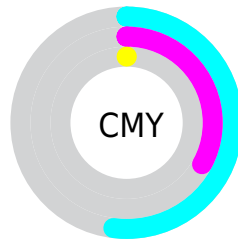
- Red (48%)
- Green (67%)
- Blue (100%)



- Red (48%)
- Yellow (62%)
- Blue (100%)



- Cyan (52%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8286, 40.8626, 100.3431 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 40.8286, 40.8626, 100.3431 by changing the saturation by 10% instead.

■ 40.8286, 40.8626,
100.3431

■ 40.8286, 40.8626,
100.3431

340.6786,
349.7460, 582.5482

■ 28.3723, 28.2117,
75.9686

■ 75.7000, 76.4753,
163.6846

■ 18.7483, 18.4853,
55.9003

■ 98.8457, 100.2059,
203.4887

■ 11.5915, 11.2990,
39.7195

■ 126.2853,
128.3985, 249.2731

■ 6.5364, 6.2683,
27.0078

158.3842,
161.4376, 301.4563

■ 3.2176, 3.0089,
17.3466

195.5075,
199.7075, 360.4568

■ 1.2699, 1.1364,
10.3173

238.0208,

■ 0.1605, 0.0088,

243.5926, 426.6933

5.5015

286.2894,
293.4773, 500.5843

■ 0.0000, 0.0000,
2.4806

■ 0.0000, 0.0000,
0.8298

■ 40.8286, 40.8626,
100.3431

■ 40.8286, 40.8626,
100.3431

■ 34.8307, 33.5410,
99.2460

■ 48.1390, 49.4006,
101.6058

■ 30.0526, 27.3670,
98.3062

■ 56.8376, 59.2100,
103.0408

■ 26.3950, 22.2702,
97.5151

■ 66.9986, 70.3469,
104.6548

■ 23.7378, 18.1672,
96.8632

■ 78.6896, 82.8625,
106.4544

■ 22.2202, 15.5604,
96.4401

■ 91.9739, 96.8051,
108.4455

■ 95.0500, 100.0000,
108.9000

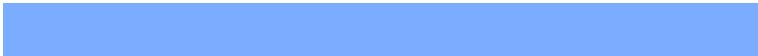
Harmonies

Analogous

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



33.5381, 40.8626, 95.6604



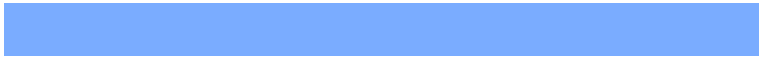
40.8286, 40.8626, 100.3431



48.4952, 40.8626, 86.6249

Triad

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



40.8286, 40.8626, 100.3431



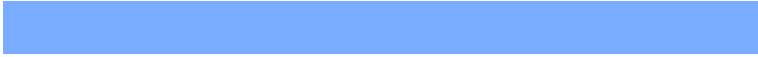
51.6200, 40.8626, 23.4652



26.8056, 40.8626, 30.3890

Complementary

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



40.8286, 40.8626, 100.3431



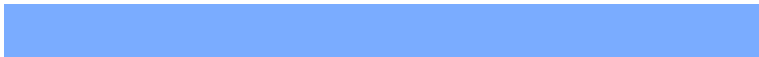
66.5857, 66.3301, 27.7081

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.



30.5575, 40.8626, 18.8693



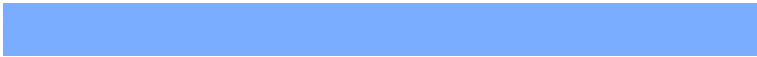
40.8286, 40.8626, 100.3431



44.6702, 40.8626, 15.8793

Square

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



40.8286, 40.8626, 100.3431



55.2345, 40.8626, 39.1201



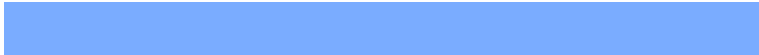
36.9145, 40.8626, 14.5276



26.0583, 40.8626, 50.3354

Rectangle

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



40.8286, 40.8626, 100.3431



52.5751, 40.8626, 70.8943



36.9145, 40.8626, 14.5276



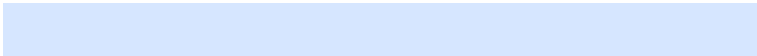
27.7311, 40.8626, 25.6248

Sweetspot

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



40.8300, 40.8640, 100.3433



74.0083, 77.8829, 105.7400



54.6884, 80.0186, 69.7016



15.3249, 16.1180, 22.5533



0.0000, 0.0000, 0.0000



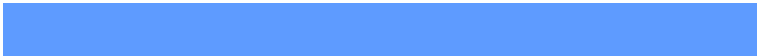
20.3446, 21.4041, 23.3091

Same Dimension

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



40.8300, 40.8640, 100.3433



34.3806, 32.9753, 99.1606



35.4128, 26.5034, 97.8569



17.5625, 18.4966, 22.8945



11.7421, 8.3939, 50.4359



1.2442, 1.0192, 4.9444

Inverse Universe

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



55.6470, 38.1594, 43.4634



51.1687, 31.6857, 34.3161



75.0336, 91.3604, 32.0942



18.2918, 18.1000, 20.1538



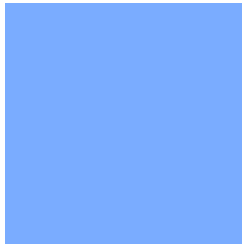
22.7151, 11.5753, 7.1501



2.2626, 1.1474, 0.9645

Previews

White Background



This preview shows how the XYZ color 40.8286, 40.8626, 100.3431 looks on a white background.

Color Contrast Check

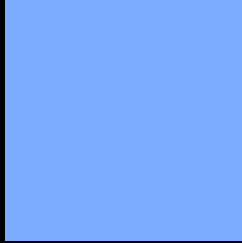
Large Text (above 18pt) WCAG AA × Fail

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 40.8286, 40.8626, 100.3431 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

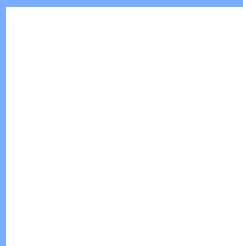
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8286, 40.8626, 100.3431

Background



This preview shows how black text looks on a background with the XYZ color 40.8286, 40.8626, 100.3431.



This preview shows how white text looks on a background with the XYZ color 40.8286, 40.8626,

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

40.8286, 40.8626, 100.3431

Protanopia

42.7429, 40.8099, 96.8911

Deuteranopia

41.9404, 40.8750, 100.2869



Tritanopia

32.7200, 40.8278, 59.5821

Trichromacy



Original Color

40.8286, 40.8626, 100.3431

Protanomaly

41.7503, 40.5551, 97.7229

Deuteranomaly

41.5150, 40.9350, 100.3209

Tritanomaly

35.3367, 40.6697, 73.0054

Monochromacy



Original Color

40.8286, 40.8626, 100.3431

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.2593, 39.0788, 59.6120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8286, 40.8626, 100.3431 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(122, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 172, 255)  
}
```

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(122, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 172, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.8286, 40.8626, 100.3431 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(122, 172, 255) }
```


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

```
.border{ border-color:rgb(122, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 172,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8286, 40.8626, 100.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 172, 255) }
```

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

```
.background{ background-color: rgb(122,  
172, 255) }
```

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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