

Converting Colors

XYZ(42.6086, 47.8623,
101.6004)

Have a look what the booklet for
XYZ(42.6086, 47.8623, 101.6004)
contains.

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Color

**XYZ(42.6086, 47.8623,
101.6004)**

Conversions

Conversions Part 1

Format	Color
Hex	68C0FF
RGB	104, 192, 255
RGB Percent	41%, 75%, 100%
CMY	0.5921, 0.2470, 0.0000
CMYK	0.59, 0.25, 0.00, 0.00
HSL	205°, 100%, 70%
HSV	205°, 59%, 100%
XYZ	42.6086, 47.8623, 101.6004
YIQ	172.8700, -72.6710, 0.9370

Conversions

Conversions Part 2

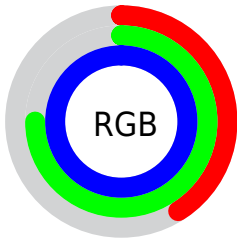
Format	Color
RYB	104, 160, 255
Decimal	6865151
CIELab	74.74, -8.44, -38.99
CIELCh	75, 39.897, 257.782
Yxy	47.8623, 0.2218, 0.2492
Android (android.graphics.Color)	4285055231 (0xFF68C0FF)
YUV	172.8700, 40.4901, -60.3990
Hunter-Lab	69.1826, -11.1338, -38.6445

Details

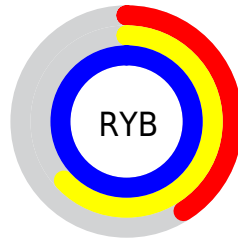
The XYZ color **42.6086, 47.8623, 101.6004** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.5589, 49.8993, 19.6968**, and the grayscale version is **39.4829, 41.5391, 45.2360**.

A 20% lighter version of the original color is **67.1345, 82.3541, 106.9653**, and **19.8517, 22.7621, 56.7733** is the 20% darker color. If you saturate the color by 10%, you get **37.8315, 42.0569, 100.7316**, and if you desaturate by 10%, it is **48.4521, 54.4699, 102.5678**.

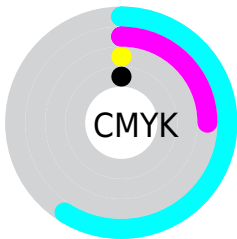
Distribution



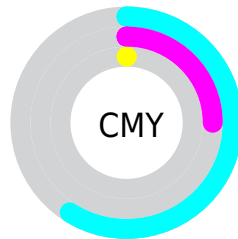
- Red (41%)
- Green (75%)
- Blue (100%)



- Red (41%)
- Yellow (63%)
- Blue (100%)



- Cyan (59%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (59%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6086, 47.8623, 101.6004 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 42.6086, 47.8623, 101.6004 by changing the saturation by 10% instead.

■ 42.6086, 47.8623,
101.6004

■ 42.6086, 47.8623,
101.6004

347.9485,
378.2461, 586.6020

■ 29.7713, 33.7179,
77.0135

■ 78.3793, 86.9993,
165.4258

■ 19.8123, 22.6769,
56.7523

■ 102.0434,
112.7607, 205.5013

■ 12.3661, 14.3551,
40.3984

■ 130.0472,
143.1632, 251.5768

■ 7.0675, 8.3681,
27.5331

162.7560,
178.5912, 304.0707

■ 3.5511, 4.3314,
17.7381

200.5352,
219.4291, 363.4017

■ 1.4514, 1.8606,
10.5946

243.7501,

■ 0.2924, 0.5245,

266.0613, 429.9882

5.6842

292.7661,
318.8721, 504.2488

■ 0.0000, 0.0000,
2.5884

■ 0.0000, 0.0000,
0.8864

■ 42.6086, 47.8623,
101.6004

■ 42.6086, 47.8623,
101.6004

■ 37.8315, 42.0569,
100.7316

■ 48.4521, 54.4699,
102.5678

■ 34.0295, 36.9988,
99.9557

■ 55.4342, 61.9194,
103.6377

■ 31.1011, 32.6310,
99.2670

■ 63.6252, 70.2529,
104.8145

■ 28.8932, 28.8691,
98.6572

■ 73.0883, 79.5077,
106.1021

■ 28.7355, 28.5909,
98.6118

■ 83.8819, 89.7188,
107.5041

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.



36.7636, 47.8623, 87.5695



42.6086, 47.8623, 101.6004



49.8771, 47.8623, 100.0451

Triad

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



42.6086, 47.8623, 101.6004



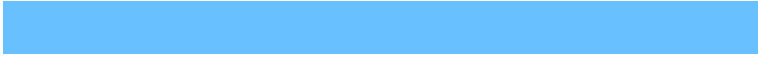
60.0775, 47.8623, 40.8613



35.9407, 47.8623, 29.6517

Complementary

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



42.6086, 47.8623, 101.6004



57.5589, 49.8993, 19.6968

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.



41.3711, 47.8623, 22.6216



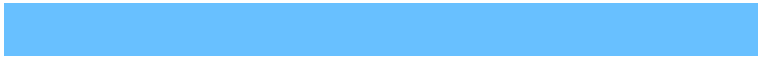
42.6086, 47.8623, 101.6004



55.5022, 47.8623, 27.8119

Square

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



42.6086, 47.8623, 101.6004



60.4995, 47.8623, 61.0153



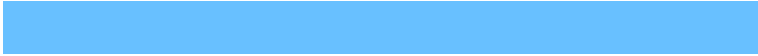
48.5020, 47.8623, 22.0521



33.1969, 47.8623, 44.1233

Rectangle

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



42.6086, 47.8623, 101.6004



54.5650, 47.8623, 90.4032



48.5020, 47.8623, 22.0521



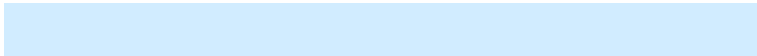
37.4844, 47.8623, 26.5271

Sweetspot

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



42.6101, 47.8639, 101.6006



74.3249, 80.6941, 106.2659



48.4377, 77.2507, 48.8792



15.2803, 16.6674, 22.6617



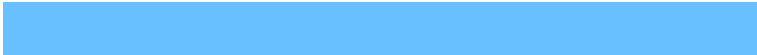
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



42.6101, 47.8639, 101.6006



37.0829, 41.0993, 100.5862



30.0736, 22.7911, 97.4218



17.8825, 19.1367, 23.0012



15.1658, 15.2412, 51.5771



1.5846, 1.6999, 5.0579

Inverse Universe

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



55.7059, 34.9682, 53.6841



51.8689, 29.4243, 45.8385



75.6156, 86.0127, 25.7157



18.4534, 18.1647, 21.0045



24.4432, 12.2666, 16.2502



2.4344, 1.2162, 1.8692

Previews

White Background



This preview shows how the XYZ color 42.6086, 47.8623, 101.6004 looks on a white background.

Color Contrast Check

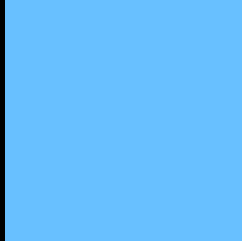
Large Text (above 18pt) WCAG AA × Fail

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 42.6086, 47.8623, 101.6004 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

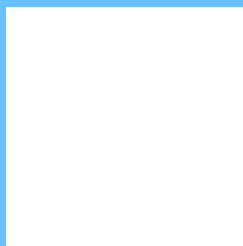
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6086, 47.8623, 101.6004

Background



This preview shows how black text looks on a background with the XYZ color 42.6086, 47.8623, 101.6004.



This preview shows how white text looks on a background with the XYZ color 42.6086, 47.8623,

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

42.6086, 47.8623, 101.6004

Protanopia

48.4683, 47.5941, 93.8208

Deuteranopia

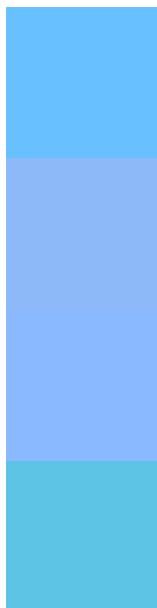
48.6744, 47.5368, 101.2179



Tritanopia

36.6196, 47.7794, 71.5823

Trichromacy



Original Color

42.6086, 47.8623, 101.6004

Protanomaly

45.6032, 47.2883, 96.3465

Deuteranomaly

45.8802, 47.3212, 101.3235

Tritanomaly

38.5371, 47.5202, 82.0041

Monochromacy



Original Color

42.6086, 47.8623, 101.6004

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.3135, 43.2502, 62.7760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6086, 47.8623, 101.6004 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(104, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 192, 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(104, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 192, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.6086, 47.8623, 101.6004 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(104, 192, 255) }
```


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

```
.border{ border-color:rgb(104, 192, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 192, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 192, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 192, 255);  
box-shadow:4px 4px 4px 4px rgb(104, 192,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6086, 47.8623, 101.6004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 192, 255) }
```

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

```
.background{ background-color: rgb(104,  
192, 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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