

Converting Colors

XYZ(41.9925, 46.0861,
101.2900)

Have a look what the booklet for
XYZ(41.9925, 46.0861, 101.2900)
contains.

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Color

**XYZ(41.8837, 45.8864,
101.2572)**

Conversions

Conversions Part 1

Format	Color
Hex	6BBBFF
RGB	107, 187, 255
RGB Percent	42%, 73%, 100%
CMY	0.5804, 0.2667, 0.0000
CMYK	0.58, 0.27, 0.00, 0.00
HSL	208°, 100%, 71%
HSV	208°, 58%, 100%
XYZ	41.8837, 45.8864, 101.2572
YIQ	170.8320, -69.5080, 4.1880

Conversions

Conversions Part 2

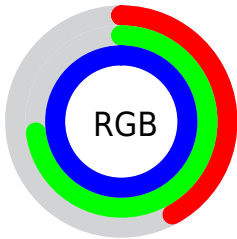
Format	Color
RYB	107, 159, 255
Decimal	7060479
CIELab	73.47, -5.17, -40.96
CIELCh	73, 41.281, 262.808
Yxy	45.8864, 0.2216, 0.2428
Android (android.graphics.Color)	4285250559 (0xFF6BBBFF)
YUV	170.8320, 41.4948, -55.9807
Hunter-Lab	67.7395, -8.1766, -41.2092

Details

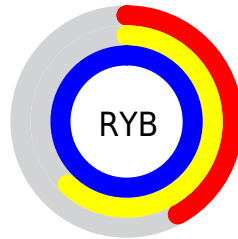
The XYZ color **41.8837, 45.8864, 101.2572** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.2252, 52.9836, 21.0173**, and the grayscale version is **38.4495, 40.4518, 44.0520**.

A 20% lighter version of the original color is **66.2490, 79.6460, 106.4893**, and **19.3778, 21.4675, 56.5484** is the 20% darker color. If you saturate the color by 10%, you get **36.8727, 39.7633, 100.3394**, and if you desaturate by 10%, it is **48.0041, 52.8841, 102.2853**.

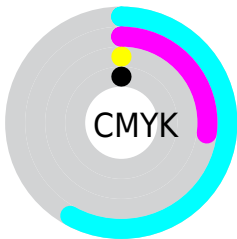
Distribution



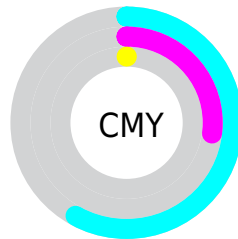
- Red (42%)
- Green (73%)
- Blue (100%)



- Red (42%)
- Yellow (62%)
- Blue (100%)



- Cyan (58%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8837, 45.8864, 101.2572 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 41.8837, 45.8864, 101.2572 by changing the saturation by 10% instead.

41.8837, 45.8864,
101.2572

41.8837, 45.8864,
101.2572

345.0004,
370.3518, 585.4970

29.2009, 32.1562,
76.7282

77.2898, 84.0490,
164.9507

19.3779, 21.4808,
56.5196

100.7440,
109.2501, 204.9523

12.0493, 13.4759,
40.2129

128.5192,
139.0437, 250.9484

6.8497, 7.7571,
27.3895

160.9810,
173.8141, 303.3577

3.4138, 3.9399,
17.6309

198.4947,
213.9457, 362.5987

1.3762, 1.6400,
10.5187

241.4256,

0.2391, 0.3843,

259.8229, 429.0898

5.6341

290.1390,
311.8301, 503.2498

■ 0.0000, 0.0000,
2.5587

■ 0.0000, 0.0000,
0.8710

■ 41.8837, 45.8864,
101.2572

■ 41.8837, 45.8864,
101.2572

■ 36.8727, 39.7633,
100.3394

■ 48.0041, 52.8841,
102.2853

■ 32.8799, 34.4581,
99.5259

■ 55.3062, 60.7983,
103.4280

■ 29.8048, 29.9126,
98.8106

■ 63.8609, 69.6728,
104.6901

■ 27.5108, 26.0485,
98.1856

■ 73.7319, 79.5469,
106.0757

■ 27.1150, 25.3500,
98.0717

■ 84.9780, 90.4574,
107.5889

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.



35.6836, 45.8864, 89.2102



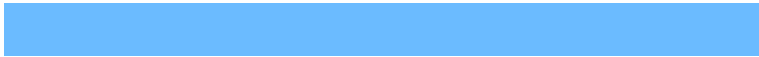
41.8837, 45.8864, 101.2572



49.2711, 45.8864, 96.8067

Triad

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



41.8837, 45.8864, 101.2572



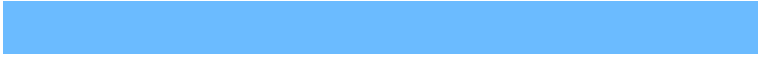
57.8396, 45.8864, 35.9711



33.3811, 45.8864, 29.4271

Complementary

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



41.8837, 45.8864, 101.2572



59.2252, 52.9836, 21.0173

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.



38.4067, 45.8864, 21.3594



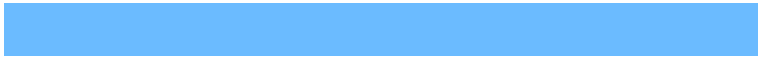
41.8837, 45.8864, 101.2572



52.6392, 45.8864, 24.3376

Square

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



41.8837, 45.8864, 101.2572



59.0366, 45.8864, 55.1540



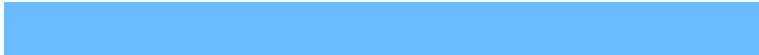
45.3906, 45.8864, 19.7983



31.1420, 45.8864, 45.1074

Rectangle

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



41.8837, 45.8864, 101.2572



53.8399, 45.8864, 85.5435



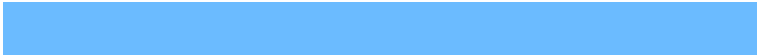
45.3906, 45.8864, 19.7983



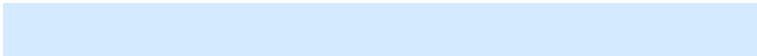
34.7719, 45.8864, 25.9354

Sweetspot

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



41.8852, 45.8880, 101.2574



74.8324, 80.6288, 106.2266



49.4257, 77.6868, 52.2324



15.5634, 16.8111, 22.6745



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.



41.8852, 45.8880, 101.2574



36.0111, 38.6586, 100.1716



30.1776, 22.4729, 97.3549



17.8165, 19.0046, 22.9792



14.3194, 13.5483, 51.2950



1.5036, 1.5378, 5.0309

Inverse Universe

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



55.4684, 35.3649, 50.9177



51.4004, 29.5146, 42.5155



77.3389, 89.2110, 27.0552



18.4200, 18.1513, 20.8289



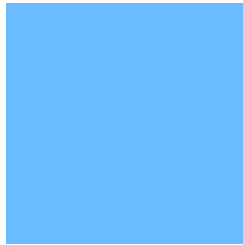
24.0159, 12.0957, 14.0004



2.3935, 1.1998, 1.6538

Previews

White Background



This preview shows how the XYZ color 41.8837, 45.8864, 101.2572 looks on a white background.

Color Contrast Check

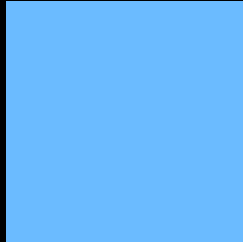
Large Text (above 18pt) WCAG AA × Fail

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 41.8837, 45.8864, 101.2572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

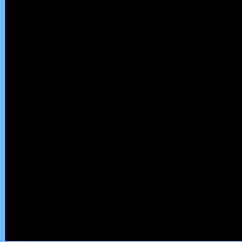
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

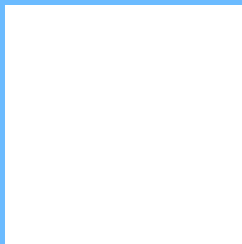
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8837, 45.8864, 101.2572

Background



This preview shows how black text looks on a background with the XYZ color 41.8837, 45.8864, 101.2572.

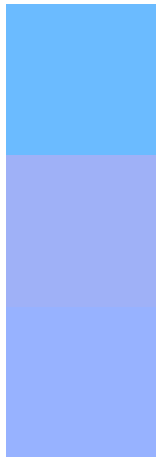


This preview shows how white text looks on a background with the XYZ color 41.8837, 45.8864,

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

41.8837, 45.8864, 101.2572

Protanopia

46.8087, 45.5306, 94.3169

Deuteranopia

46.7329, 45.6401, 100.9541



Tritanopia

35.3928, 45.8572, 68.6139

Trichromacy



Original Color

41.8837, 45.8864, 101.2572

Protanomaly

44.5944, 45.5253, 96.8794

Deuteranomaly

44.5655, 45.4186, 101.0256

Tritanomaly

37.5386, 45.7321, 79.5217

Monochromacy



Original Color

41.8837, 45.8864, 101.2572

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.5956, 42.0044, 61.9506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8837, 45.8864, 101.2572 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(107, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 187, 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(107, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 187, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.8837, 45.8864, 101.2572 is called "border". The border property can be set on classes, ids or directly on the HTML element.

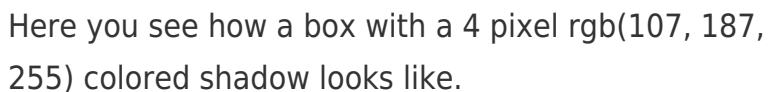
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 187, 255) }
```


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

```
.border{ border-color:rgb(107, 187, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 187,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8837, 45.8864, 101.2572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 187, 255) }
```

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

```
.background{ background-color: rgb(107,  
187, 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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