

Converting Colors

XYZ(43.7976, 45.0379,
100.9925)

Have a look what the booklet for
XYZ(43.7976, 45.0379, 100.9925)
contains.

XYZ(43.7798, 45.0136, 100.9888)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(43.7798, 45.0136,
100.9888)**

Conversions

Conversions Part 1

Format	Color
Hex	82B5FF
RGB	130, 181, 255
RGB Percent	51%, 71%, 100%
CMY	0.4902, 0.2902, 0.0000
CMYK	0.49, 0.29, 0.00, 0.00
HSL	216°, 100%, 75%
HSV	216°, 49%, 100%
XYZ	43.7798, 45.0136, 100.9888
YIQ	174.1870, -54.1500, 12.2020

Conversions

Conversions Part 2

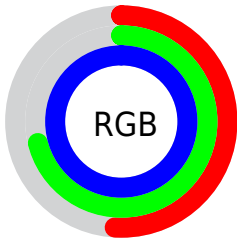
Format	Color
RYB	130, 166, 255
Decimal	8566271
CIELab	72.90, 2.95, -41.77
CIELCh	73, 41.872, 274.040
Yxy	45.0136, 0.2307, 0.2372
Android (android.graphics.Color)	4286756351 (0xFF82B5FF)
YUV	174.1870, 39.8408, -38.7520
Hunter-Lab	67.0922, -0.9343, -42.2803

Details

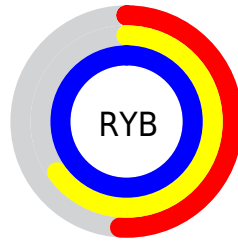
The XYZ color **43.7798, 45.0136, 100.9888** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.8632, 66.0589, 30.3477**, and the grayscale version is **40.1512, 42.2422, 46.0017**.

A 20% lighter version of the original color is **69.0732, 78.4797, 106.1153**, and **20.4380, 20.8177, 56.3671** is the 20% darker color. If you saturate the color by 10%, you get **37.4371, 37.4319, 99.8597**, and if you desaturate by 10%, it is **51.4271, 53.7632, 102.2746**.

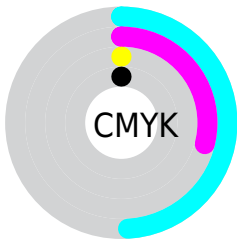
Distribution



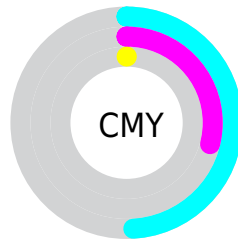
- Red (51%)
- Green (71%)
- Blue (100%)



- Red (51%)
- Yellow (65%)
- Blue (100%)



- Cyan (49%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7798, 45.0136, 100.9888 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 43.7798, 45.0136, 100.9888 by changing the saturation by 10% instead.

■ 43.7798, 45.0136,
100.9888

■ 43.7798, 45.0136,
100.9888

352.6763,
366.8286, 584.6320

■ 30.6946, 31.4681,
76.5051

■ 80.1347, 82.7408,
164.5791

■ 20.5171, 20.9556,
56.3376

■ 104.1351,
107.6914, 204.5227

■ 12.8819, 13.0915,
40.0679

■ 132.5046,
137.2124, 250.4568

■ 7.4237, 7.4916,
27.2773

165.6086,
171.6883, 302.7998

■ 3.7771, 3.7714,
17.5473

203.8124,
211.5035, 361.9702

■ 1.5768, 1.5465,
10.4594

247.4814,

■ 0.3772, 0.3211,

257.0423, 428.3867

5.5950

296.9809,
308.6893, 502.4678

■ 0.0000, 0.0000,
2.5357

■ 0.0000, 0.0000,
0.8590

■ 43.7798, 45.0136,
100.9888

■ 43.7798, 45.0136,
100.9888

■ 37.4371, 37.4319,
99.8597

■ 51.4271, 53.7632,
102.2746

■ 32.3111, 30.9548,
98.8796

■ 60.4501, 63.7299,
103.7228

■ 28.3089, 25.5187,
98.0413

■ 70.9198, 74.9655,
105.3397

■ 25.3201, 21.0491,
97.3361

■ 82.9006, 87.5169,
107.1309

■ 23.1863, 17.4460,
96.7531

95.0500, 100.0000,
108.9000

■ 23.0042, 17.1285,
96.7014

Harmonies

Analogous

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



36.9337, 45.0136, 94.7222



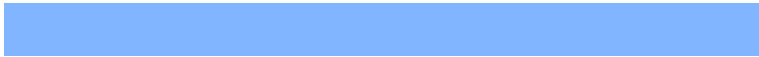
43.7798, 45.0136, 100.9888



51.1249, 45.0136, 90.3990

Triad

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



43.7798, 45.0136, 100.9888



55.4900, 45.0136, 29.7909



31.3725, 45.0136, 33.4482

Complementary

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



43.7798, 45.0136, 100.9888



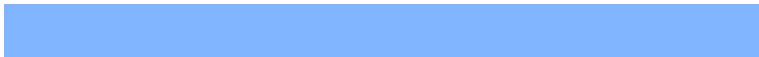
66.8632, 66.0589, 30.3477

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.



35.4037, 45.0136, 22.6940



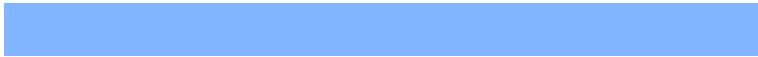
43.7798, 45.0136, 100.9888



49.2218, 45.0136, 21.0421

Square

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



43.7798, 45.0136, 100.9888



58.3546, 45.0136, 46.2364



41.8036, 45.0136, 18.8716



30.2634, 45.0136, 51.8968

Rectangle

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



43.7798, 45.0136, 100.9888



55.1700, 45.0136, 76.5848



41.8036, 45.0136, 18.8716



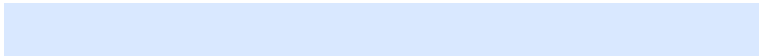
32.4063, 45.0136, 29.0068

Sweetspot

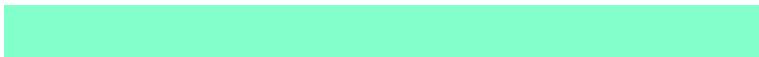
The Sweet Spot groups the original color and five complimentary colors.



43.7812, 45.0152, 100.9890



75.5479, 79.8472, 106.0380



55.7366, 80.5742, 69.0641



15.6440, 16.5366, 22.6173



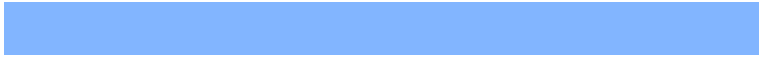
0.0000, 0.0000, 0.0000



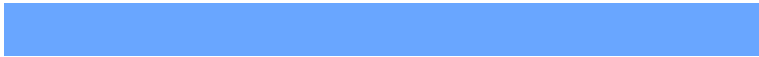
20.3446, 21.4041, 23.3091

Same Dimension

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



43.7812, 45.0152, 100.9890



37.4470, 37.4441, 99.8615



36.9198, 28.7989, 98.2206



17.6115, 18.5947, 22.9109



12.1580, 9.2255, 50.5745



1.2879, 1.1065, 4.9590

Inverse Universe

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



57.5642, 40.5631, 48.5131



53.1226, 34.0224, 39.8113



77.3008, 92.4696, 34.8953



18.3166, 18.1099, 20.2842



22.9250, 11.6593, 8.2554



2.2847, 1.1563, 1.0806

Previews

White Background



This preview shows how the XYZ color 43.7798, 45.0136, 100.9888 looks on a white background.

Color Contrast Check

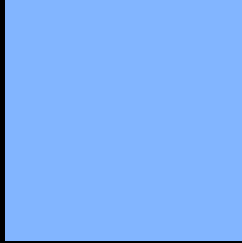
Large Text (above 18pt) WCAG AA × Fail

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 43.7798, 45.0136, 100.9888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

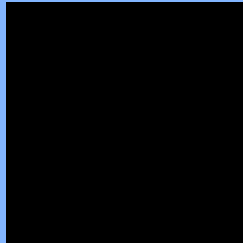
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

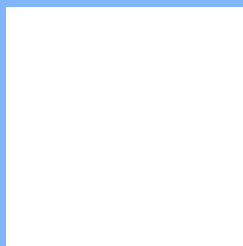
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.7798, 45.0136, 100.9888

Background



This preview shows how black text looks on a background with the XYZ color 43.7798, 45.0136, 100.9888.



This preview shows how white text looks on a background with the XYZ color 43.7798, 45.0136,

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

43.7798, 45.0136, 100.9888

Protanopia

46.4555, 44.9843, 97.5012

Deuteranopia

46.1666, 45.0538, 100.8708



Tritanopia

36.6243, 44.9280, 65.1342

Trichromacy



Original Color

43.7798, 45.0136, 100.9888

Protanomaly

45.3451, 44.9801, 98.3875

Deuteranomaly

45.1257, 44.8116, 100.8789

Tritanomaly

38.9706, 44.9155, 77.1366

Monochromacy



Original Color

43.7798, 45.0136, 100.9888

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.6022, 43.0252, 62.6646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7798, 45.0136, 100.9888 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(130, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 181, 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(130, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 181, 255) }
```

Border

The CSS property to change the border of an element to XYZ 43.7798, 45.0136, 100.9888 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(130, 181, 255) }
```


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

```
.border{ border-color:rgb(130, 181, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 181,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7798, 45.0136, 100.9888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 181, 255) }
```

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

```
.background{ background-color: rgb(130,  
181, 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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