

Converting Colors

XYZ(45.6111, 47.6269, 82.4880)

Have a look what the booklet for
XYZ(45.6111, 47.6269, 82.4880)
contains.

XYZ(45.4831, 47.5354, 82.3793)	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(45.4831, 47.5354,
82.3793)**

Conversions

Conversions Part 1

Format	Color
Hex	9CB9E7
RGB	156, 185, 231
RGB Percent	61%, 73%, 91%
CMY	0.3882, 0.2745, 0.0941
CMYK	0.32, 0.20, 0.00, 0.09
HSL	217°, 61%, 76%
HSV	217°, 32%, 91%
XYZ	45.4831, 47.5354, 82.3793
YIQ	181.5730, -32.0500, 8.1580

Conversions

Conversions Part 2

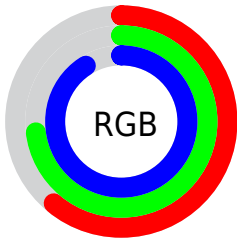
Format	Color
RYB	156, 177, 231
Decimal	10271207
CIELab	74.53, 0.87, -26.15
CIELCh	75, 26.169, 271.901
Yxy	47.5354, 0.2593, 0.2710
Android (android.graphics.Color)	4288461287 (0xFF9CB9E7)
YUV	181.5730, 24.3675, -22.4275
Hunter-Lab	68.9459, -2.9003, -22.5799

Details

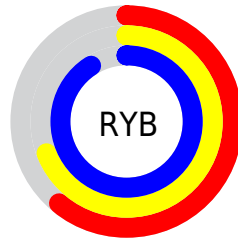
The XYZ color **45.4831, 47.5354, 82.3793** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.0772, 61.6311, 40.1836**, and the grayscale version is **44.1170, 46.4145, 50.5454**.

A 20% lighter version of the original color is **76.6567, 84.1276, 106.8058**, and **21.4686, 22.4225, 43.7539** is the 20% darker color. If you saturate the color by 10%, you get **38.6135, 39.8121, 81.2514**, and if you desaturate by 10%, it is **53.5012, 56.2914, 83.6476**.

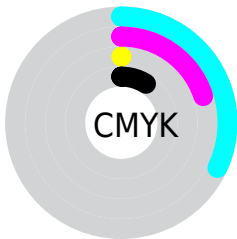
Distribution



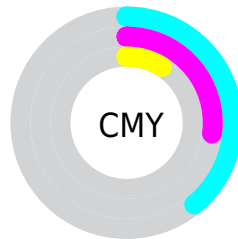
- Red (61%)
- Green (73%)
- Blue (91%)



- Red (61%)
- Yellow (69%)
- Blue (91%)



- Cyan (32%)
- Magenta (20%)
- Yellow (0%)
- Black (9%)



- Cyan (39%)
- Magenta (27%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4831, 47.5354, 82.3793 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 45.4831, 47.5354, 82.3793 by changing the saturation by 10% instead.

■ 45.4831, 47.5354,
82.3793

■ 45.4831, 47.5354,
82.3793

359.4775,
376.9476, 522.8323

■ 32.0410, 33.4591,
61.1406

■ 82.6775, 86.5123,
138.5472

■ 21.5485, 22.4784,
43.9074

■ 107.1605,
112.1816, 174.3135

■ 13.6403, 14.2088,
30.2610

136.0545,
142.4841, 215.7595

■ 7.9509, 8.2661,
19.7831

169.7250,
177.8042, 263.3036

■ 4.1151, 4.2657,
12.0549

208.5371,
218.5261, 317.3643

■ 1.7675, 1.8233,
6.6581

252.8563,

■ 0.4979, 0.5016,

265.0344, 378.3604

3.1740

303.0480,
317.7135, 446.7101

■ 0.0000, 0.0000,
1.1842

■ 0.0000, 0.0000,
0.0000

■ 45.4831, 47.5354,
82.3793

■ 45.4831, 47.5354,
82.3793

■ 38.6135, 39.8121,
81.2514

■ 53.5012, 56.2914,
83.6476

■ 32.8308, 33.0737,
80.2556

■ 62.7159, 66.1138,
85.0579

■ 28.0744, 27.2768,
79.3874

■ 73.1780, 77.0418,
86.6158

■ 24.2752, 22.3715,
78.6408

■ 84.9341, 89.1107,
88.3257

■ 21.3546, 18.3027,
78.0094

■ 91.4240, 98.5496,
89.8055

■ 19.2193, 15.0063,
77.4856

■ 18.0233, 12.9683,
77.1553

Harmonies

Analogous

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



41.0335, 47.5354, 78.2857



45.4831, 47.5354, 82.3793



50.1567, 47.5354, 77.1536

Triad

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



45.4831, 47.5354, 82.3793



53.3456, 47.5354, 39.1840



37.6276, 47.5354, 40.4393

Complementary

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



45.4831, 47.5354, 82.3793



60.0772, 61.6311, 40.1836

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.



40.5457, 47.5354, 32.6537



45.4831, 47.5354, 82.3793



49.5990, 47.5354, 32.0227

Square

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



45.4831, 47.5354, 82.3793



54.8883, 47.5354, 50.8994



44.8802, 47.5354, 29.8560



36.6915, 47.5354, 52.6261

Rectangle

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



45.4831, 47.5354, 82.3793



52.7182, 47.5354, 69.5397



44.8802, 47.5354, 29.8560



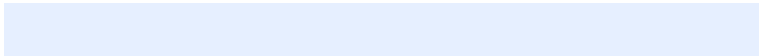
38.3987, 47.5354, 37.2996

Sweetspot

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



45.4846, 47.5373, 82.3804



81.4950, 85.9046, 106.8937



52.8300, 68.4378, 65.6850



17.0631, 17.9875, 22.8226



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.



45.4846, 47.5373, 82.3804



50.9663, 52.8290, 102.1186



41.5205, 37.3875, 80.6302



14.0375, 14.7964, 18.2605



10.2157, 7.4935, 43.2911



0.8428, 0.7295, 3.2284

Inverse Universe

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



53.6017, 44.2701, 51.6208



62.7913, 48.7815, 57.1484



65.1634, 75.3206, 42.5579



14.6065, 14.4598, 16.1283



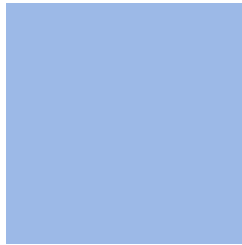
19.5499, 9.9542, 6.5248



1.4890, 0.7533, 0.7158

Previews

White Background



This preview shows how the XYZ color 45.4831, 47.5354, 82.3793 looks on a white background.

Color Contrast Check

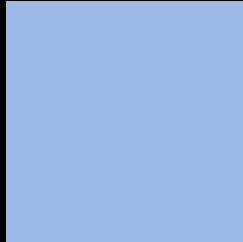
Large Text (above 18pt) WCAG AA × Fail

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 45.4831, 47.5354, 82.3793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

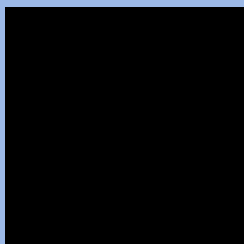
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

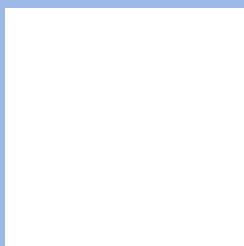
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4831, 47.5354, 82.3793

Background



This preview shows how black text looks on a background with the XYZ color 45.4831, 47.5354, 82.3793.



This preview shows how white text looks on a background with the XYZ color 45.4831, 47.5354,

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

45.4831, 47.5354, 82.3793

Protanopia

47.5407, 47.4198, 80.0461

Deuteranopia

48.5659, 47.5827, 82.9686



Tritanopia

42.0106, 47.7187, 64.7540

Trichromacy



Original Color

45.4831, 47.5354, 82.3793

Protanomaly

46.5967, 47.2200, 80.7872

Deuteranomaly

47.4419, 47.6069, 83.0325

Tritanomaly

43.0697, 47.4969, 70.5161

Monochromacy



Original Color

45.4831, 47.5354, 82.3793

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.5924, 46.9213, 61.3500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4831, 47.5354, 82.3793 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(156, 185, 231)` looks like.

```
.text, #text, p{  
    color:rgb(156, 185, 231)  
}
```

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(156, 185, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 185, 231) }
```

Border

The CSS property to change the border of an element to XYZ 45.4831, 47.5354, 82.3793 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(156, 185, 231) }
```


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

```
.border{ border-color:rgb(156, 185, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 185, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 185, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 185, 231);  
box-shadow:4px 4px 4px 4px rgb(156, 185,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4831, 47.5354, 82.3793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 185, 231) }
```

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

```
.background{ background-color: rgb(156,  
185, 231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor