

Converting Colors

XYZ(45.9962, 47.1668, 83.0238)

Have a look what the booklet for
XYZ(45.9962, 47.1668, 83.0238)
contains.

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Color

**XYZ(45.9962, 47.1668,
83.0238)**

Conversions

Conversions Part 1

Format	Color
Hex	A0B7E8
RGB	160, 183, 232
RGB Percent	63%, 72%, 91%
CMY	0.3725, 0.2823, 0.0902
CMYK	0.31, 0.21, 0.00, 0.09
HSL	221°, 61%, 77%
HSV	221°, 31%, 91%
XYZ	45.9962, 47.1668, 83.0238
YIQ	181.7090, -29.4370, 10.3630

Conversions

Conversions Part 2

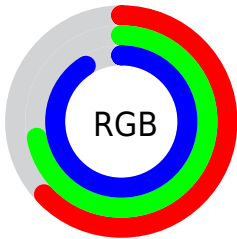
Format	Color
R_{YB}	160, 177, 232
Decimal	10532840
CIE Lab	74.30, 3.34, -27.03
CIE LCh	74, 27.239, 277.052
Yxy	47.1668, 0.2611, 0.2677
Android (android.graphics.Color)	4288722920 (0xFFA0B7E8)
YUV	181.7090, 24.7935, -19.0388
Hunter-Lab	68.6781, -0.6388, -23.6000

Details

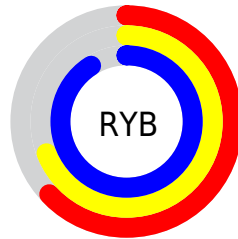
The XYZ color **45.9962, 47.1668, 83.0238** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.4252, 65.2954, 42.5723**, and the grayscale version is **44.1875, 46.4887, 50.6262**.

A 20% lighter version of the original color is **77.2354, 83.5519, 106.6641**, and **21.7630, 22.1640, 44.2053** is the 20% darker color. If you saturate the color by 10%, you get **38.7081, 38.8443, 81.8023**, and if you desaturate by 10%, it is **54.5181, 56.6698, 84.4097**.

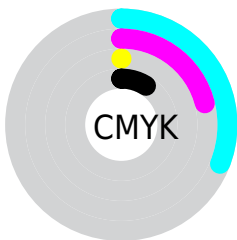
Distribution



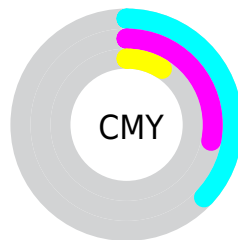
- Red (63%)
- Green (72%)
- Blue (91%)



- Red (63%)
- Yellow (69%)
- Blue (91%)



- Cyan (31%)
- Magenta (21%)
- Yellow (0%)
- Black (9%)



- Cyan (37%)
- Magenta (28%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9962, 47.1668, 83.0238 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 45.9962, 47.1668, 83.0238 by changing the saturation by 10% instead.

■ 45.9962, 47.1668,
83.0238

■ 45.9962, 47.1668,
83.0238

361.5096,
375.4799, 525.0389

■ 32.4474, 33.1675,
61.6691

■ 83.4412, 85.9625,
139.4583

■ 21.8607, 22.2548,
44.3313

■ 108.0682,
111.5278, 175.3752

■ 13.8706, 14.0443,
30.5919

137.1186,
141.7172, 216.9832

■ 8.1118, 8.1515,
20.0325

170.9577,
176.9151, 264.7008

■ 4.2190, 4.1920,
12.2343

209.9511,
217.5060, 318.9467

■ 1.8268, 1.7815,
6.7790

254.4639,

■ 0.5337, 0.4756,

263.8741, 380.1393

3.2479

304.8616,
316.4040, 448.6972

■ 0.0000, 0.0000,
1.2226

■ 0.0000, 0.0000,
0.0000

■ 45.9962, 47.1668,
83.0238

■ 45.9962, 47.1668,
83.0238

■ 38.7081, 38.8443,
81.8023

■ 54.5181, 56.6698,
84.4097

■ 32.5889, 31.6478,
80.7358

■ 64.3252, 67.3936,
85.9627

■ 27.5746, 25.5266,
79.8186

■ 75.4714, 79.3832,
87.6895

■ 23.5927, 20.4234,
79.0434

■ 88.0061, 92.6798,
89.5954

■ 20.5609, 16.2746,
78.4024

■ 91.5656, 98.6063,
90.5517

■ 18.3828, 13.0077,
77.8866

■ 17.0221, 10.7392,
77.5205

Harmonies

Analogous

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



41.2600, 47.1668, 80.3944



45.9962, 47.1668, 83.0238



50.7446, 47.1668, 76.0145

Triad

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



45.9962, 47.1668, 83.0238



52.7701, 47.1668, 36.7662



36.7096, 47.1668, 41.5471

Complementary

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



45.9962, 47.1668, 83.0238



62.4252, 65.2954, 42.5723

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.



39.3950, 47.1668, 32.7070



45.9962, 47.1668, 83.0238



48.6016, 47.1668, 30.3179

Square

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



45.9962, 47.1668, 83.0238



54.8358, 47.1668, 48.1176



43.6849, 47.1668, 28.9803



36.1231, 47.1668, 54.7378

Rectangle

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



45.9962, 47.1668, 83.0238



53.2023, 47.1668, 67.4572



43.6849, 47.1668, 28.9803



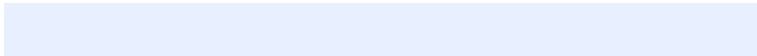
37.3867, 47.1668, 38.0464

Sweetspot

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



45.9977, 47.1687, 83.0249



82.3233, 86.3409, 106.9343



54.7402, 69.7419, 70.2521



17.2080, 18.0340, 22.8239



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.



45.9977, 47.1687, 83.0249



51.2628, 51.9313, 101.9296



44.1509, 39.7400, 81.6884



13.9568, 14.6350, 18.2336



9.5505, 6.1631, 43.0694



0.7872, 0.6183, 3.2098

Inverse Universe

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



54.3981, 45.7178, 50.7591



63.3048, 50.3800, 55.5575



64.7180, 75.4679, 44.4149



14.5658, 14.4435, 15.9138



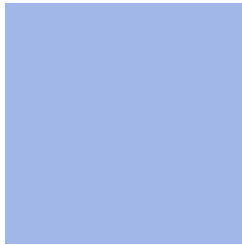
19.2141, 9.8199, 4.7567



1.4610, 0.7421, 0.5680

Previews

White Background



This preview shows how the XYZ color 45.9962, 47.1668, 83.0238 looks on a white background.

Color Contrast Check

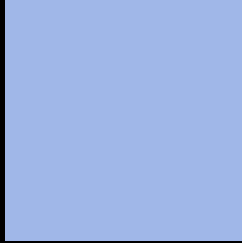
Large Text (above 18pt) WCAG AA × Fail

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 45.9962, 47.1668, 83.0238 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 45.9962, 47.1668, 83.0238

Background



This preview shows how black text looks on a background with the XYZ color 45.9962, 47.1668, 83.0238.



This preview shows how white text looks on a background with the XYZ color 45.9962, 47.1668,

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

45.9962, 47.1668, 83.0238

Protanopia

47.1817, 46.9017, 81.4291

Deuteranopia

48.2836, 47.1221, 83.6414



Tritanopia

42.0891, 47.1483, 63.3821

Trichromacy



Original Color

45.9962, 47.1668, 83.0238

Protanomaly

46.6736, 46.9243, 82.1986

Deuteranomaly

47.3914, 46.9607, 83.6573

Tritanomaly

43.4068, 47.0408, 70.4103

Monochromacy



Original Color

45.9962, 47.1668, 83.0238

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.6088, 46.6247, 61.2919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9962, 47.1668, 83.0238 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(160, 183, 232)` looks like.

```
.text, #text, p{  
    color:rgb(160, 183, 232)  
}
```

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(160, 183, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 183, 232) }
```

Border

The CSS property to change the border of an element to XYZ 45.9962, 47.1668, 83.0238 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(160, 183, 232) }
```


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

```
.border{ border-color:rgb(160, 183, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 183, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 183, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 183, 232);  
box-shadow:4px 4px 4px 4px rgb(160, 183,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9962, 47.1668, 83.0238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 183, 232) }
```

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

```
.background{ background-color: rgb(160,  
183, 232) }
```

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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