

Converting Colors

XYZ(43.3380, 46.1626, 72.8665)

Have a look what the booklet for
XYZ(43.3380, 46.1626, 72.8665)
contains.

XYZ(43.2987, 45.9968, 72.9259)	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(43.2987, 45.9968,
72.9259)**

Conversions

Conversions Part 1

Format	Color
Hex	9CB7DA
RGB	156, 183, 218
RGB Percent	61%, 72%, 85%
CMY	0.3882, 0.2823, 0.1451
CMYK	0.28, 0.16, 0.00, 0.15
HSL	214°, 46%, 73%
HSV	214°, 28%, 85%
XYZ	43.2987, 45.9968, 72.9259
YIQ	178.9170, -27.3270, 5.1610

Conversions

Conversions Part 2

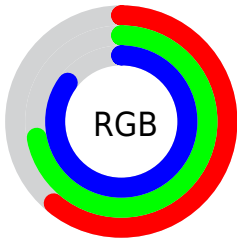
Format	Color
R _{YB}	156, 175, 218
Decimal	10270682
CIE Lab	73.54, -1.24, -20.60
CIE LCh	74, 20.638, 266.557
Yxy	45.9968, 0.2669, 0.2835
Android (android.graphics.Color)	4288460762 (0xFF9CB7DA)
YUV	178.9170, 19.2679, -20.0982
Hunter-Lab	67.8209, -4.7275, -16.2782

Details

The XYZ color **43.2987, 45.9968, 72.9259** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.5458, 54.5680, 39.1644**, and the grayscale version is **42.7158, 44.9403, 48.9400**.

A 20% lighter version of the original color is **76.0679, 82.9501, 106.6095**, and **20.1870, 21.4932, 37.7350** is the 20% darker color. If you saturate the color by 10%, you get **37.0247, 39.1586, 71.9375**, and if you desaturate by 10%, it is **50.5546, 53.6728, 74.0259**.

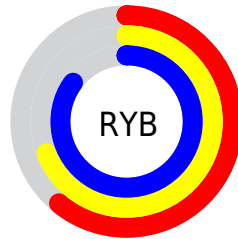
Distribution



Red (61%)

Green (72%)

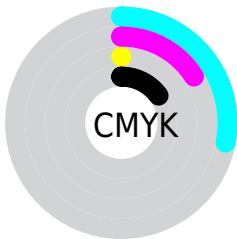
Blue (85%)



Red (61%)

Yellow (69%)

Blue (85%)

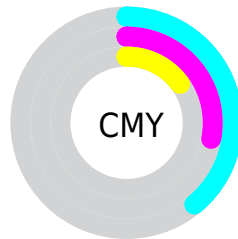


Cyan (28%)

Magenta (16%)

Yellow (0%)

Black (15%)



Cyan (39%)

Magenta (28%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2987, 45.9968, 72.9259 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 43.2987, 45.9968, 72.9259 by changing the saturation by 10% instead.

■ 43.2987, 45.9968,
72.9259

■ 43.2987, 45.9968,
72.9259

350.7395,
370.7958, 489.8218

■ 30.3151, 32.2433,
53.4239

■ 79.4143, 84.2142,
125.0920

■ 20.2271, 21.5474,
37.7513

■ 103.2770,
109.4469, 158.5931

■ 12.6695, 13.5247,
25.4894

131.4968,
139.2748, 197.5977

■ 7.2768, 7.7909,
16.2197

164.4391,
174.0822, 242.5244

■ 3.6837, 3.9614,
9.5237

202.4691,
214.2537, 293.7916

■ 1.5248, 1.6520,
4.9829

245.9523,

■ 0.3426, 0.3923,

260.1735, 351.8178

2.1787

295.2539,
312.2261, 417.0218

■ 0.0000, 0.0000,
0.6620

■ 0.0000, 0.0000,
0.0000

■ 43.2987, 45.9968,
72.9259

■ 43.2987, 45.9968,
72.9259

■ 37.0247, 39.1586,
71.9375

■ 50.5546, 53.6728,
74.0259

■ 31.6822, 33.1206,
71.0536

■ 58.8309, 62.2114,
75.2378

■ 27.2224, 27.8500,
70.2713

■ 68.1695, 71.6430,
76.5660

■ 23.5899, 23.3091,
69.5863

■ 78.6083, 81.9946,
78.0139

■ 20.7224, 19.4563,
68.9938

■ 86.4067, 91.3453,
79.4078

■ 18.5474, 16.2441,
68.4884

■ 89.6550, 97.8420,
80.4906

■ 16.9594, 13.6076,
68.0632

■ 16.7418, 13.2356,
68.0028

Harmonies

Analogous

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



39.9663, 45.9968, 68.7814



43.2987, 45.9968, 72.9259



46.9296, 45.9968, 70.2827

Triad

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



43.2987, 45.9968, 72.9259



50.2966, 45.9968, 41.6290



38.1238, 45.9968, 39.8090

Complementary

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



43.2987, 45.9968, 72.9259



53.5458, 54.5680, 39.1644

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.



40.6575, 45.9968, 34.1793



43.2987, 45.9968, 72.9259



47.6986, 45.9968, 35.1230

Square

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



43.2987, 45.9968, 72.9259



51.0994, 45.9968, 51.2988



44.1412, 45.9968, 32.5901



37.0851, 45.9968, 48.8860

Rectangle

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



43.2987, 45.9968, 72.9259



49.0108, 45.9968, 65.2025



44.1412, 45.9968, 32.5901



38.8218, 45.9968, 37.5021

Sweetspot

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



43.3001, 45.9986, 72.9270



83.1104, 87.9151, 107.1967



48.0881, 60.9338, 58.0006



17.4012, 18.4205, 22.8883



0.0000, 0.0000, 0.0000



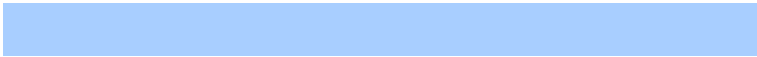
20.3446, 21.4041, 23.3091

Same Dimension

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



43.3001, 45.9986, 72.9270



56.3477, 59.7483, 103.1705



38.8626, 36.2215, 71.2737



12.8028, 13.5454, 16.5919



10.1328, 8.1351, 40.7746



0.7411, 0.6964, 2.6698

Inverse Universe

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



49.3504, 42.1026, 50.3272



66.4457, 53.8352, 65.3186



59.0681, 66.9760, 41.2683



13.2904, 13.1452, 14.7902



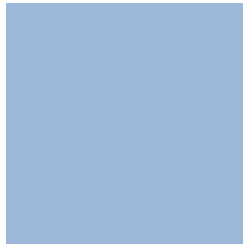
18.6099, 9.4450, 7.5918



1.2484, 0.6290, 0.7169

Previews

White Background



This preview shows how the XYZ color 43.2987, 45.9968, 72.9259 looks on a white background.

Color Contrast Check

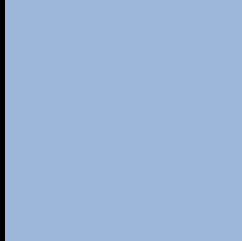
Large Text (above 18pt) WCAG AA × Fail

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 43.2987, 45.9968, 72.9259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

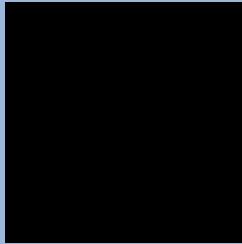
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

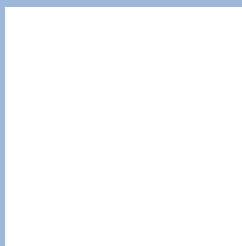
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.2987, 45.9968, 72.9259

Background



This preview shows how black text looks on a background with the XYZ color 43.2987, 45.9968, 72.9259.



This preview shows how white text looks on a background with the XYZ color 43.2987, 45.9968,

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

43.2987, 45.9968, 72.9259

Protanopia

45.6194, 46.0307, 70.7704

Deuteranopia

46.6716, 45.6301, 73.3655



Tritanopia

41.0504, 46.0103, 61.9756

Trichromacy



Original Color

43.2987, 45.9968, 72.9259

Protanomaly

44.6523, 45.8159, 71.4557

Deuteranomaly

45.4838, 45.9007, 73.4803

Tritanomaly

41.7483, 45.9752, 65.7052

Monochromacy



Original Color

43.2987, 45.9968, 72.9259

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.7415, 45.1507, 56.9143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.2987, 45.9968, 72.9259 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, 183, 218)` looks like.

```
.text, #text, p{  
    color:rgb(156, 183, 218)  
}
```

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, 183, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 183, 218) }
```

Border

The CSS property to change the border of an element to XYZ 43.2987, 45.9968, 72.9259 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, 183, 218) }
```


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

```
.border{ border-color:rgb(156, 183, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 183, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 183, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 183, 218);  
box-shadow:4px 4px 4px 4px rgb(156, 183,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 43.2987, 45.9968, 72.9259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 183, 218) }
```

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

```
.background{ background-color: rgb(156,  
183, 218) }
```

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