

Converting Colors

XYZ(42.9342, 45.1871, 77.2306)

Have a look what the booklet for
XYZ(42.9342, 45.1871, 77.2306)
contains.

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Color

**XYZ(42.7409, 45.0089,
76.9559)**

Conversions

Conversions Part 1

Format	Color
Hex	97B5E0
RGB	151, 181, 224
RGB Percent	59%, 71%, 88%
CMY	0.4078, 0.2902, 0.1216
CMYK	0.33, 0.19, 0.00, 0.12
HSL	215°, 54%, 74%
HSV	215°, 33%, 88%
XYZ	42.7409, 45.0089, 76.9559
YIQ	176.9320, -31.6830, 7.0130

Conversions

Conversions Part 2

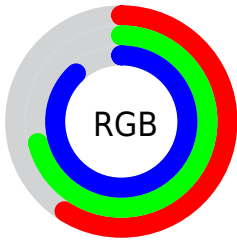
Format	Color
RYB	151, 172, 224
Decimal	9942496
CIELab	72.90, -0.12, -24.88
CIELCh	73, 24.880, 269.734
Yxy	45.0089, 0.2595, 0.2733
Android (android.graphics.Color)	4288132576 (0xFF97B5E0)
YUV	176.9320, 23.2045, -22.7424
Hunter-Lab	67.0887, -3.6863, -21.0481

Details

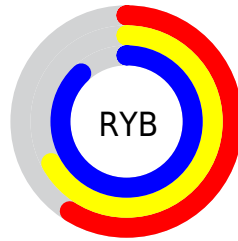
The XYZ color **42.7409, 45.0089, 76.9559** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.6189, 56.6658, 37.2856**, and the grayscale version is **41.6494, 43.8184, 47.7183**.

A 20% lighter version of the original color is **74.0663, 81.0538, 106.3490**, and **19.9176, 20.8996, 40.5204** is the 20% darker color. If you saturate the color by 10%, you get **36.4152, 37.9529, 75.9281**, and if you desaturate by 10%, it is **50.1134, 52.9838, 78.1074**.

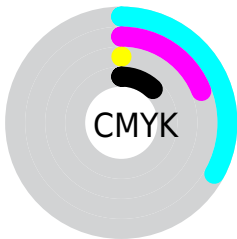
Distribution



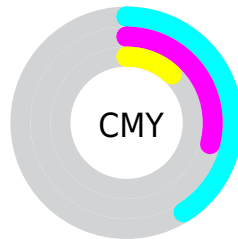
- Red (59%)
- Green (71%)
- Blue (88%)



- Red (59%)
- Yellow (67%)
- Blue (88%)



- Cyan (33%)
- Magenta (19%)
- Yellow (0%)
- Black (12%)



- Cyan (41%)
- Magenta (29%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7409, 45.0089, 76.9559 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 42.7409, 45.0089, 76.9559 by changing the saturation by 10% instead.

■ 42.7409, 45.0089,
76.9559

■ 42.7409, 45.0089,
76.9559

348.4847,
366.8096, 504.0473

■ 29.8755, 31.4644,
56.7053

■ 78.5779, 82.7338,
130.8497

■ 19.8917, 20.9528,
40.3609

■ 102.2802,
107.6830, 165.3300

■ 12.4242, 13.0895,
27.5041

130.3255,
137.2025, 205.3906

■ 7.1075, 7.4902,
17.7164

163.0792,
171.6768, 251.4500

■ 3.5763, 3.7705,
10.5793

200.9066,
211.4903, 303.9269

■ 1.4654, 1.5460,
5.6741

244.1731,

■ 0.3021, 0.3208,

257.0273, 363.2397

2.5824

293.2440,
308.6723, 429.8070

■ 0.0000, 0.0000,
0.8833

■ 0.0000, 0.0000,
0.0000

■ 42.7409, 45.0089,
76.9559

■ 42.7409, 45.0089,
76.9559

■ 36.4152, 37.9529,
75.9281

■ 50.1134, 52.9838,
78.1074

■ 31.0801, 31.7733,
75.0165

■ 58.5764, 61.9071,
79.3837

■ 26.6803, 26.4317,
74.2174

■ 68.1763, 71.8133,
80.7899

■ 23.1528, 21.8844,
73.5256

■ 78.9554, 82.7336,
82.3296

■ 20.4259, 18.0822,
72.9354

■ 87.9477, 93.1478,
83.8658

■ 18.4143, 14.9684,
72.4404

■ 90.4547, 98.1619,
84.7014

■ 17.2870, 13.0464,
72.1289

Harmonies

Analogous

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



38.7155, 45.0089, 72.6445



42.7409, 45.0089, 76.9559



47.0471, 45.0089, 72.7888

Triad

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



42.7409, 45.0089, 76.9559



50.4313, 45.0089, 38.0978



35.9784, 45.0089, 37.9357

Complementary

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



42.7409, 45.0089, 76.9559



55.6189, 56.6658, 37.2856

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.



38.7783, 45.0089, 31.0675



42.7409, 45.0089, 76.9559



47.1186, 45.0089, 31.1494

Square

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



42.7409, 45.0089, 76.9559



51.6655, 45.0089, 49.1180



42.8183, 45.0089, 28.8061



34.9759, 45.0089, 48.8962

Rectangle

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



42.7409, 45.0089, 76.9559



49.4585, 45.0089, 66.1073



42.8183, 45.0089, 28.8061



36.7308, 45.0089, 35.1436

Sweetspot

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



42.7424, 45.0107, 76.9569



81.6771, 86.2687, 106.9544



49.1101, 63.7679, 60.5151



17.1071, 18.0753, 22.8372



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.



42.7424, 45.0107, 76.9569



51.5085, 53.9134, 102.2993



38.4433, 34.6929, 75.1920



13.4124, 14.1639, 17.4147



10.1691, 7.8077, 42.0194



0.7914, 0.7143, 2.9414

Inverse Universe

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



50.1488, 41.3180, 49.0500



63.0650, 48.8909, 58.5895



61.1310, 70.4391, 39.6536



13.9396, 13.7935, 15.4522



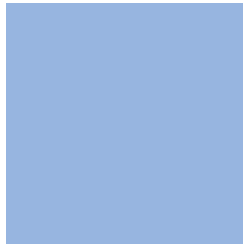
19.0731, 9.6962, 7.0506



1.3657, 0.6896, 0.7188

Previews

White Background



This preview shows how the XYZ color 42.7409, 45.0089, 76.9559 looks on a white background.

Color Contrast Check

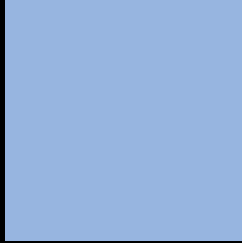
Large Text (above 18pt) WCAG AA × Fail

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 42.7409, 45.0089, 76.9559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

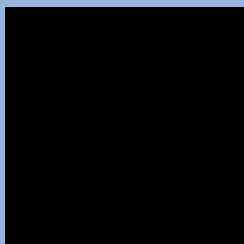
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

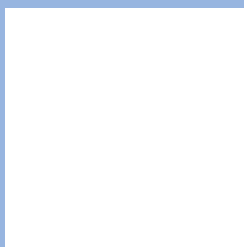
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7409, 45.0089, 76.9559

Background



This preview shows how black text looks on a background with the XYZ color 42.7409, 45.0089, 76.9559.



This preview shows how white text looks on a background with the XYZ color 42.7409, 45.0089,

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

42.7409, 45.0089, 76.9559

Protanopia

44.9217, 44.9896, 74.7228

Deuteranopia

45.9338, 44.8668, 77.4734



Tritanopia

39.6283, 44.9790, 61.2368

Trichromacy



Original Color

42.7409, 45.0089, 76.9559

Protanomaly

44.0055, 44.7961, 75.4344

Deuteranomaly

44.6226, 44.7730, 77.5244

Tritanomaly

40.8619, 45.1803, 66.8886

Monochromacy



Original Color

42.7409, 45.0089, 76.9559

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.8064, 44.0607, 57.3401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7409, 45.0089, 76.9559 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(151, 181, 224)` looks like.

```
.text, #text, p{  
    color:rgb(151, 181, 224)  
}
```

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(151, 181, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 181, 224) }
```

Border

The CSS property to change the border of an element to XYZ 42.7409, 45.0089, 76.9559 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(151, 181, 224) }
```


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

```
.border{ border-color:rgb(151, 181, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 181, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 181, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 181, 224);  
box-shadow:4px 4px 4px 4px rgb(151, 181,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7409, 45.0089, 76.9559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 181, 224) }
```

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

```
.background{ background-color: rgb(151,  
181, 224) }
```

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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