

Converting Colors

XYZ(42.9568, 50.9802, 76.5780)

Have a look what the booklet for
XYZ(42.9568, 50.9802, 76.5780)
contains.

XYZ(42.9683, 50.9461, 76.6761)	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(42.9683, 50.9461,
76.6761)**

Conversions

Conversions Part 1

Format	Color
Hex	83C7DE
RGB	131, 199, 222
RGB Percent	51%, 78%, 87%
CMY	0.4863, 0.2196, 0.1294
CMYK	0.41, 0.10, 0.00, 0.13
HSL	195°, 58%, 69%
HSV	195°, 41%, 87%
XYZ	42.9683, 50.9461, 76.6761
YIQ	181.2900, -47.9110, -7.2630

Conversions

Conversions Part 2

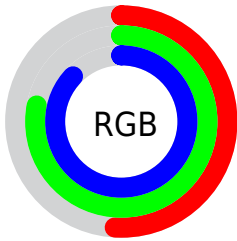
Format	Color
RYB	131, 170, 222
Decimal	8636382
CIELab	76.65, -15.60, -18.20
CIELCh	77, 23.968, 229.409
Yxy	50.9461, 0.2519, 0.2986
Android (android.graphics.Color)	4286826462 (0xFF83C7DE)
YUV	181.2900, 20.0700, -44.1043
Hunter-Lab	71.3765, -17.4529, -13.7286

Details

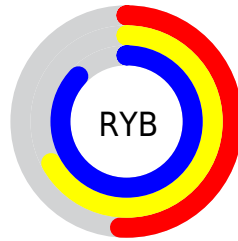
The XYZ color **42.9683, 50.9461, 76.6761** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.7774, 40.2803, 26.8362**, and the grayscale version is **43.9925, 46.2836, 50.4028**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **20.0021, 24.5367, 40.2410** is the 20% darker color. If you saturate the color by 10%, you get **38.6245, 46.8267, 76.1108**, and if you desaturate by 10%, it is **48.0995, 55.5444, 77.2941**.

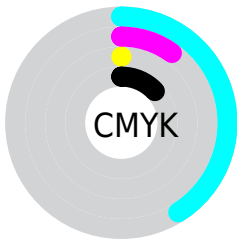
Distribution



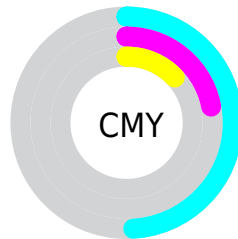
- Red (51%)
- Green (78%)
- Blue (87%)



- Red (51%)
- Yellow (67%)
- Blue (87%)



- Cyan (41%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)



- Cyan (49%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9683, 50.9461, 76.6761 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 42.9683, 50.9461, 76.6761 by changing the saturation by 10% instead.

■ 42.9683, 50.9461,
76.6761

■ 42.9683, 50.9461,
76.6761

349.4051,
390.3543, 503.0673

■ 30.0547, 36.1657,
56.4771

■ 78.9190, 91.5751,
130.4510

■ 20.0284, 24.5622,
40.1790

■ 102.6868,
118.1925, 164.8640

■ 12.5240, 15.7512,
27.3633

■ 130.8034,
149.5244, 204.8520

■ 7.1764, 9.3483,
17.6114

163.6341,
185.9551, 250.8337

■ 3.6199, 4.9690,
10.5048

201.5442,
227.8690, 303.2275

■ 1.4895, 2.2291,
5.6250

244.8992,

■ 0.3186, 0.7358,

275.6506, 362.4520

2.5533

294.0644,
329.6843, 428.9258

■ 0.0000, 0.0000,
0.8682

■ 0.0000, 0.0000,
0.0000

■ 42.9683, 50.9461,
76.6761

■ 42.9683, 50.9461,
76.6761

■ 38.6245, 46.8267,
76.1108

■ 48.0995, 55.5444,
77.2941

■ 35.0153, 43.1547,
75.5923


■ 54.0571, 60.6390,
77.9635


■ 32.0888, 39.9038,
75.1190


■ 60.8832, 66.2535,
78.6874


■ 29.7837, 37.0417,
74.6881


■ 68.6153, 72.4078,
79.4678


 28.0271, 34.5299,
74.2958


 77.2890, 79.1212,
80.3064

 26.8021, 32.5083,
73.9702

 83.4698, 84.6236,
81.0427

 85.0805, 87.8450,
81.5796

 86.7421, 91.1682,
82.1335

 88.4551, 94.5943,
82.7045

Harmonies

Analogous

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



40.6560, 50.9461, 64.1900



42.9683, 50.9461, 76.6761



46.8378, 50.9461, 83.8150

Triad

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



42.9683, 50.9461, 76.6761



57.5088, 50.9461, 60.1891



45.5828, 50.9461, 35.0960

Complementary

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



42.9683, 50.9461, 76.6761



45.7774, 40.2803, 26.8362

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.



50.0431, 50.9461, 34.3688



42.9683, 50.9461, 76.6761



57.1206, 50.9461, 47.5808

Square

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



42.9683, 50.9461, 76.6761



55.3500, 50.9461, 73.3569



54.3203, 50.9461, 38.5883



42.0990, 50.9461, 40.7589

Rectangle

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



42.9683, 50.9461, 76.6761



49.8621, 50.9461, 83.9329



54.3203, 50.9461, 38.5883



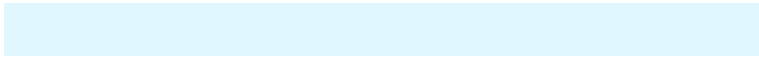
47.0114, 50.9461, 34.3038

Sweetspot

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



42.9699, 50.9481, 76.6773



82.2569, 89.8159, 107.6085



41.2945, 59.3937, 39.7519



17.3320, 19.0011, 23.0040



0.0000, 0.0000, 0.0000



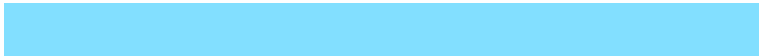
20.3446, 21.4041, 23.3091

Same Dimension

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



42.9699, 50.9481, 76.6773



53.7640, 64.9707, 104.3147



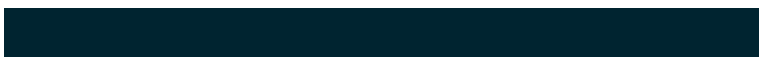
34.0605, 33.1294, 73.7075



13.8080, 14.9550, 17.5465



16.0128, 19.4951, 43.9673



1.1799, 1.4914, 3.0709

Inverse Universe

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



48.5506, 35.8871, 58.4030



62.6055, 42.5891, 75.0312



54.7030, 58.1314, 29.8114



14.1393, 13.8733, 16.5037



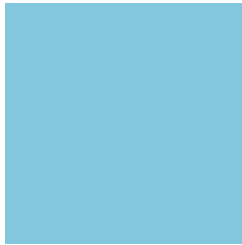
22.0227, 10.8761, 22.5831



1.5618, 0.7680, 1.7515

Previews

White Background



This preview shows how the XYZ color 42.9683, 50.9461, 76.6761 looks on a white background.

Color Contrast Check

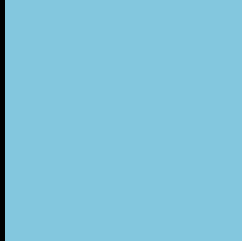
Large Text (above 18pt) WCAG AA × Fail

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 42.9683, 50.9461, 76.6761 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 42.9683, 50.9461, 76.6761

Background



This preview shows how black text looks on a background with the XYZ color 42.9683, 50.9461, 76.6761.



This preview shows how white text looks on a background with the XYZ color 42.9683, 50.9461,

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

42.9683, 50.9461, 76.6761

Protanopia

49.6751, 50.5860, 70.7643

Deuteranopia

51.7174, 50.5360, 78.2628



Tritanopia

42.1022, 50.9335, 72.5779

Trichromacy



Original Color

42.9683, 50.9461, 76.6761

Protanomaly

46.6722, 50.2707, 72.8890

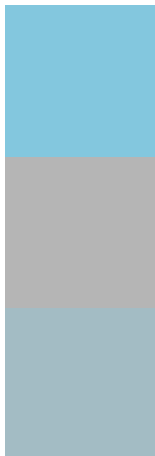
Deuteranomaly

47.8006, 50.1018, 77.6723

Tritanomaly

42.5151, 51.1163, 73.9553

Monochromacy



Original Color

42.9683, 50.9461, 76.6761

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.0513, 47.7385, 59.1700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9683, 50.9461, 76.6761 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(131, 199, 222)` looks like.

```
.text, #text, p{  
    color:rgb(131, 199, 222)  
}
```

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(131, 199, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 199, 222) }
```

Border

The CSS property to change the border of an element to XYZ 42.9683, 50.9461, 76.6761 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(131, 199, 222) }
```


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

```
.border{ border-color:rgb(131, 199, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 199, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 199, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 199, 222);  
box-shadow:4px 4px 4px 4px rgb(131, 199,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9683, 50.9461, 76.6761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 199, 222) }
```

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

```
.background{ background-color: rgb(131,  
199, 222) }
```

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