

Converting Colors

XYZ(42.8418, 52.6262,
102.3809)

Have a look what the booklet for
XYZ(42.8418, 52.6262, 102.3809)
contains.

XYZ(42.9453, 52.8185, 102.5393)	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(42.9453, 52.8185,
102.5393)**

Conversions

Conversions Part 1

Format	Color
Hex	4ACEFF
RGB	74, 206, 255
RGB Percent	29%, 81%, 100%
CMY	0.7098, 0.1921, 0.0000
CMYK	0.71, 0.19, 0.00, 0.00
HSL	196°, 100%, 65%
HSV	196°, 71%, 100%
XYZ	42.9453, 52.8185, 102.5393
YIQ	172.1180, -94.4010, -12.7450

Conversions

Conversions Part 2

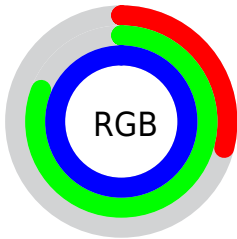
Format	Color
R _Y B	74, 150, 255
Decimal	4902655
CIE Lab	77.77, -20.50, -34.37
CIE LCh	78, 40.017, 239.189
Yxy	52.8185, 0.2166, 0.2664
Android (android.graphics.Color)	4283092735 (0xFF4ACEFF)
YUV	172.1180, 40.8608, -86.0495
Hunter-Lab	72.6763, -21.7058, -32.7790

Details

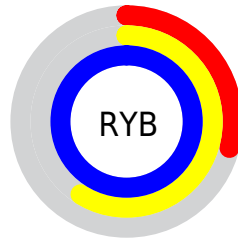
The XYZ color **42.9453, 52.8185, 102.5393** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **49.5603, 35.9224, 10.8021**, and the grayscale version is **39.1085, 41.1452, 44.8072**.

A 20% lighter version of the original color is **65.1377, 84.5796, 107.5001**, and **21.4213, 26.5337, 57.4186** is the 20% darker color. If you saturate the color by 10%, you get **39.7395, 48.7536, 101.9236**, and if you desaturate by 10%, it is **47.0223, 57.4429, 103.2170**.

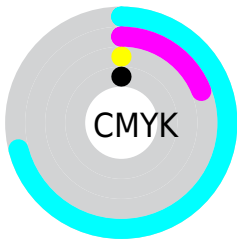
Distribution



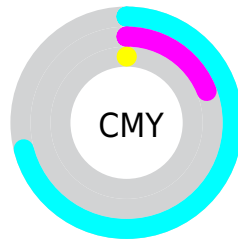
- Red (29%)
- Green (81%)
- Blue (100%)



- Red (29%)
- Yellow (59%)
- Blue (100%)



- Cyan (71%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9453, 52.8185, 102.5393 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 42.9453, 52.8185, 102.5393 by changing the saturation by 10% instead.

42.9453, 52.8185,
102.5393

42.9453, 52.8185,
102.5393

349.3121,
397.5884, 589.6196

30.0365, 37.6579,
77.7942

78.8845, 94.3372,
166.7246

20.0145, 25.7173,
57.3895

102.6457,
121.4642, 207.0020

12.5139, 16.6123,
40.9066

130.7551,
153.3487, 253.2938

7.1694, 9.9584,
27.9270

163.5780,
190.3751, 306.0187

3.6155, 5.3714,
18.0321

201.4798,
232.9279, 365.5952

1.4870, 2.4668,
10.8033

244.8258,

0.3170, 0.8599,

281.3915, 432.4419

5.8222

293.9815,
336.1502, 506.9771

■ 0.0000, 0.0000,
2.6703

■ 0.0000, 0.0000,
0.9284

■ 42.9453, 52.8185,
102.5393

■ 42.9453, 52.8185,
102.5393

■ 39.7395, 48.7536,
101.9236

■ 47.0223, 57.4429,
103.2170

■ 37.2964, 45.1878,
101.3641

■ 52.0523, 62.6673,
103.9603

■ 35.6019, 42.3238,
100.9006

■ 58.1125, 68.5338,
104.7732

■ 65.2706, 75.0787,
105.6593

■ 73.5882, 82.3349,
106.6215

■ 83.1222, 90.3331,
107.6628

■ 93.9256, 99.1018,
108.7859

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



38.2770, 52.8185, 80.9533



42.9453, 52.8185, 102.5393



49.9917, 52.8185, 111.6531

Triad

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



42.9453, 52.8185, 102.5393



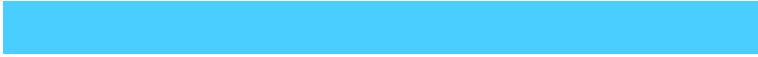
66.6375, 52.8185, 58.1169



43.2755, 52.8185, 27.7036

Complementary

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



42.9453, 52.8185, 102.5393



49.5603, 35.9224, 10.8021

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.



50.4137, 52.8185, 24.5054



42.9453, 52.8185, 102.5393



64.3783, 52.8185, 39.0959

Square

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



42.9453, 52.8185, 102.5393



64.1295, 52.8185, 82.2753



58.2342, 52.8185, 28.0767



38.4534, 52.8185, 38.2921

Rectangle

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



42.9453, 52.8185, 102.5393



55.2649, 52.8185, 108.0074



58.2342, 52.8185, 28.0767



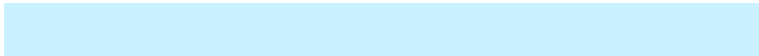
45.4589, 52.8185, 25.8712

Sweetspot

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



42.9469, 52.8203, 102.5395



73.5669, 82.3167, 106.6191



42.1148, 74.3882, 30.6404



15.2294, 17.1748, 22.7623



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.



42.9469, 52.8203, 102.5395



38.6712, 47.2620, 101.6920



27.1482, 21.2228, 97.2733



18.1146, 19.6007, 23.0785



18.7331, 22.3757, 52.7662



1.9146, 2.3600, 5.1679

Inverse Universe

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



54.8304, 30.6154, 61.4139



51.9416, 26.6625, 54.8255



66.2126, 69.2270, 16.3529



18.5705, 18.2115, 21.6212



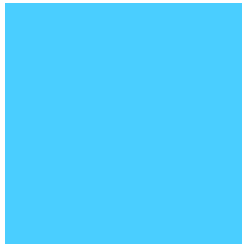
26.2438, 12.9868, 25.7320



2.6010, 1.2828, 2.7464

Previews

White Background



This preview shows how the XYZ color 42.9453, 52.8185, 102.5393 looks on a white background.

Color Contrast Check

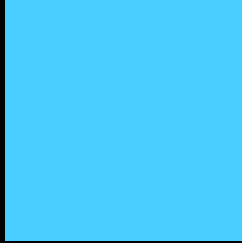
Large Text (above 18pt) WCAG AA × Fail

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 42.9453, 52.8185, 102.5393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

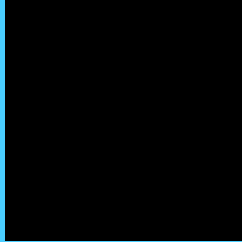
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

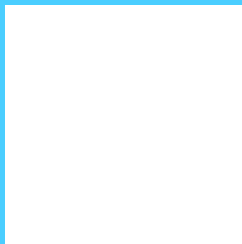
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9453, 52.8185, 102.5393

Background



This preview shows how black text looks on a background with the XYZ color 42.9453, 52.8185, 102.5393.



This preview shows how white text looks on a background with the XYZ color 42.9453, 52.8185,

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

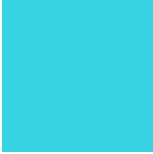
42.9453, 52.8185, 102.5393

Protanopia

52.3561, 52.1531, 91.3115

Deuteranopia

53.0465, 51.9571, 101.8406



Tritanopia

38.8734, 53.0022, 81.5804

Trichromacy



Original Color

42.9453, 52.8185, 102.5393

Protanomaly

47.1188, 51.3211, 95.4182

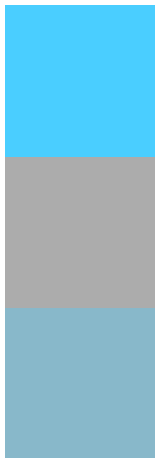
Deuteranomaly

47.7184, 51.4845, 102.0302

Tritanomaly

40.2197, 52.7981, 88.9602

Monochromacy



Original Color

42.9453, 52.8185, 102.5393

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.9545, 43.7795, 62.3270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9453, 52.8185, 102.5393 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(74, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 206, 255)  
}
```

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(74, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.9453, 52.8185, 102.5393 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(74, 206, 255) }
```


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

```
.border{ border-color:rgb(74, 206, 255) }
```

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

Here you see how a box with a 4 pixel rgb(74, 206, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9453, 52.8185, 102.5393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 206, 255) }
```

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

```
.background{ background-color: rgb(74, 206,  
255) }
```

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