

# Converting Colors

XYZ(43.7062, 50.6956, 92.0141)

Have a look what the booklet for  
XYZ(43.7062, 50.6956, 92.0141)  
contains.

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# Color

**XYZ(43.7079, 50.6411,  
92.2651)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75C6F3
RGB	117, 198, 243
RGB Percent	46%, 78%, 95%
CMY	0.5412, 0.2235, 0.0471
CMYK	0.52, 0.19, 0.00, 0.05
HSL	201°, 84%, 71%
HSV	201°, 52%, 95%
XYZ	43.7079, 50.6411, 92.2651
YIQ	178.9110, -62.7210, -3.1770

# Conversions

## Conversions Part 2

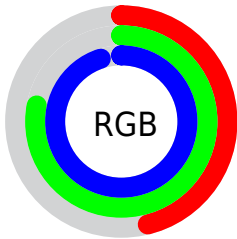
Format	Color
R <sub>Y</sub> B	117, 166, 243
Decimal	7718643
CIE Lab	76.46, -12.61, -29.84
CIE LCh	76, 32.397, 247.098
Yxy	50.6411, 0.2342, 0.2714
Android (android.graphics.Color)	4285908723 (0xFF75C6F3)
YUV	178.9110, 31.5959, -54.2959
Hunter-Lab	71.1626, -14.9001, -27.0581

# Details

The XYZ color **43.7079, 50.6411, 92.2651** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.0950, 46.1818, 22.9472**, and the grayscale version is **42.6630, 44.8848, 48.8795**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **20.4642, 24.3186, 50.6291** is the 20% darker color. If you saturate the color by 10%, you get **38.9298, 45.3178, 91.4904**, and if you desaturate by 10%, it is **49.4503, 56.6323, 93.1198**.

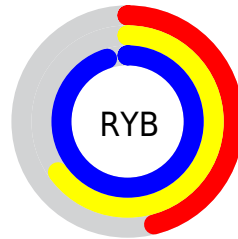
# Distribution



Red (46%)

Green (78%)

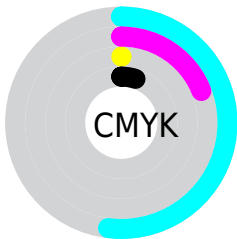
Blue (95%)



Red (46%)

Yellow (65%)

Blue (95%)

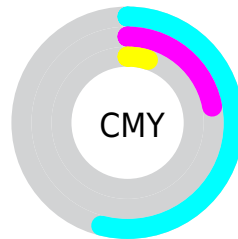


Cyan (52%)

Magenta (19%)

Yellow (0%)

Black (5%)



Cyan (54%)

Magenta (22%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7079, 50.6411, 92.2651 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 43.7079, 50.6411, 92.2651 by changing the saturation by 10% instead.



■ 43.7079, 50.6411,  
92.2651

■ 43.7079, 50.6411,  
92.2651

352.3873,  
389.1678, 556.1310

■ 30.6379, 35.9231,  
69.2766

■ 80.0271, 91.1240,  
152.4436

■ 20.4737, 24.3748,  
50.4638

■ 104.0070,  
117.6577, 190.4707

■ 12.8501, 15.6119,  
35.4083

■ 132.3542,  
148.8988, 234.3478

■ 7.4017, 9.2499,  
23.6915

165.4340,  
185.2315, 284.4933

■ 3.7631, 4.9046,  
14.8949

203.6119,  
227.0404, 341.3259

■ 1.5690, 2.1914,  
8.5998

247.2532,

■ 0.3721, 0.7153,

274.7098, 405.2640

4.3879

296.7232,  
328.6241, 476.7262

■ 0.0000, 0.0000,  
1.8404

■ 0.0000, 0.0000,  
0.4544

■ 43.7079, 50.6411,  
92.2651

■ 43.7079, 50.6411,  
92.2651

■ 38.9298, 45.3178,  
91.4904

■ 49.4503, 56.6323,  
93.1198

■ 35.0421, 40.6185,  
90.7882

■ 56.2137, 63.3202,  
94.0542

■ 31.9673, 36.5014,  
90.1556

■ 64.0559, 70.7385,  
95.0728

■ 29.6108, 32.9147,  
89.5875

■ 73.0288, 78.9164,  
96.1783

■ 28.1024, 30.3202,  
89.1662

■ 83.1809, 87.8816,  
97.3737

■ 91.6267, 96.1489,  
98.5243

■ 93.1778, 99.2511,  
99.0414

# Harmonies

## Analogous

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



39.3645, 50.6411, 78.0035



43.7079, 50.6411, 92.2651



49.5979, 50.6411, 95.6782

# Triad

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



43.7079, 50.6411, 92.2651



60.7457, 50.6411, 51.0891



41.3942, 50.6411, 32.4380

# Complementary

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



43.7079, 50.6411, 92.2651



53.0950, 46.1818, 22.9472

# 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.



46.6970, 50.6411, 28.0556



43.7079, 50.6411, 92.2651



58.1153, 50.6411, 37.2466

# Square

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



43.7079, 50.6411, 92.2651



59.7754, 50.6411, 69.2836



52.8468, 50.6411, 29.6081



38.1096, 50.6411, 43.0647



# Rectangle

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



43.7079, 50.6411, 92.2651



53.6801, 50.6411, 90.8068



52.8468, 50.6411, 29.6081



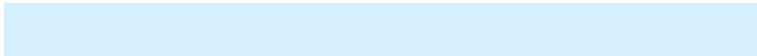
42.9816, 50.6411, 30.3006

# Sweetspot

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



43.7096, 50.6430, 92.2663



77.1264, 84.1190, 106.7793



45.8302, 70.4612, 44.9515



16.0673, 17.6028, 22.8008



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.



43.7096, 50.6430, 92.2663



43.2858, 50.3893, 102.0524



32.3057, 27.8353, 88.4650



16.4698, 17.7039, 21.0917



15.5554, 16.9047, 48.9811



1.4640, 1.6795, 4.3372



# Inverse Universe

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



53.5180, 35.8563, 57.5281



55.7604, 33.8929, 57.3536



66.8569, 73.7056, 27.5345



16.9477, 16.6619, 19.4713



23.6562, 11.8059, 18.6956

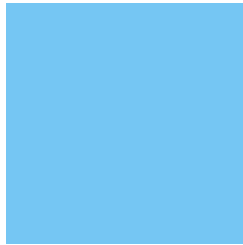


2.1280, 1.0572, 1.9006



# Previews

## White Background



This preview shows how the XYZ color 43.7079, 50.6411, 92.2651 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

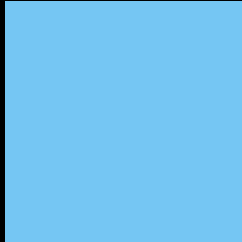
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.7079, 50.6411, 92.2651 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

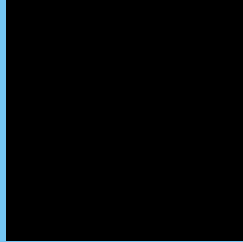
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

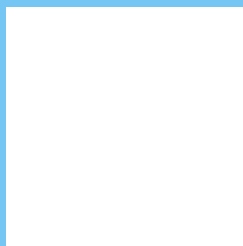
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 43.7079, 50.6411, 92.2651

## Background



This preview shows how black text looks on a background with the XYZ color 43.7079, 50.6411, 92.2651.



This preview shows how white text looks on a background with the XYZ color 43.7079, 50.6411,



# 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

43.7079, 50.6411, 92.2651

### Protanopia

50.3147, 50.2884, 84.8967

### Deuteranopia

51.4391, 50.3504, 94.1962



## Tritanopia

40.2134, 50.6067, 74.6664

# Trichromacy



**Original Color**

43.7079, 50.6411, 92.2651

**Protanomaly**

47.2171, 49.9099, 87.2657

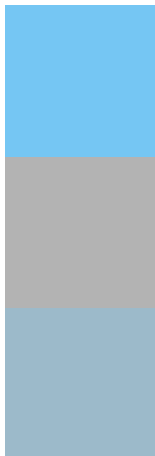
**Deuteranomaly**

48.0318, 50.1918, 93.5426

**Tritanomaly**

41.5723, 50.8195, 81.0168

# Monochromacy



**Original Color**

43.7079, 50.6411, 92.2651

**Achromatopsia**

42.8472, 45.0786, 49.0906

**Achromatomaly**

41.9299, 46.4500, 62.6329

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7079, 50.6411, 92.2651 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(117, 198, 243)` looks like.

```
.text, #text, p{  
    color:rgb(117, 198, 243)  
}
```

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(117, 198, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 198, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7079, 50.6411, 92.2651 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".

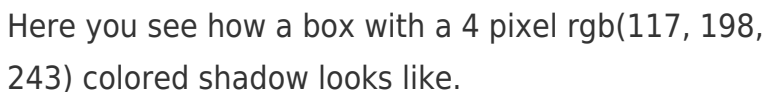
```
.border, #border, table{ border:4px solid rgb(117, 198, 243) }
```



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

```
.border{ border-color:rgb(117, 198, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 198, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 198, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 198, 243); box-shadow:4px 4px 4px 4px rgb(117, 198, 243) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7079, 50.6411, 92.2651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 198, 243) }
```

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

```
.background{ background-color: rgb(117,  
198, 243) }
```

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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