

Converting Colors

XYZ(41.3652, 46.5329, 68.1961)

Have a look what the booklet for
XYZ(41.3652, 46.5329, 68.1961)
contains.

XYZ(41.4181, 46.6893, 68.4570)	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(41.4181, 46.6893,
68.4570)**

Conversions

Conversions Part 1

Format	Color
Hex	91BCD3
RGB	145, 188, 211
RGB Percent	57%, 74%, 83%
CMY	0.4314, 0.2627, 0.1725
CMYK	0.31, 0.11, 0.00, 0.17
HSL	201°, 43%, 70%
HSV	201°, 31%, 83%
XYZ	41.4181, 46.6893, 68.4570
YIQ	177.7650, -33.0110, -1.9630

Conversions

Conversions Part 2

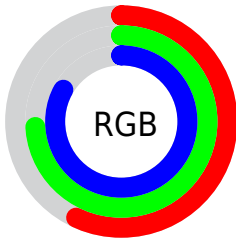
Format	Color
RYB	145, 171, 211
Decimal	9551059
CIELab	73.99, -8.82, -16.18
CIElCh	74, 18.428, 241.406
Yxy	46.6893, 0.2645, 0.2982
Android (android.graphics.Color)	4287741139 (0xFF91BCD3)
YUV	177.7650, 16.3849, -28.7349
Hunter-Lab	68.3296, -11.3786, -11.5699

Details

The XYZ color **41.4181, 46.6893, 68.4570** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.9781, 43.8989, 32.8392**, and the grayscale version is **42.1226, 44.3162, 48.2603**.

A 20% lighter version of the original color is **74.2201, 84.2007, 106.9483**, and **19.0784, 22.0036, 34.6941** is the 20% darker color. If you saturate the color by 10%, you get **36.5091, 41.8870, 67.7896**, and if you desaturate by 10%, it is **47.1005, 52.0113, 69.1855**.

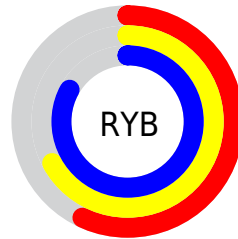
Distribution



Red (57%)

Green (74%)

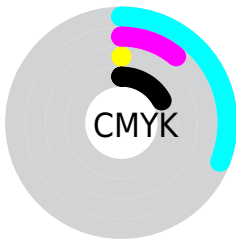
Blue (83%)



Red (57%)

Yellow (67%)

Blue (83%)

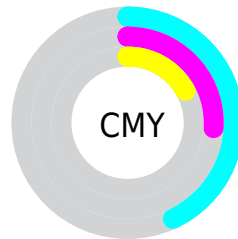


Cyan (31%)

Magenta (11%)

Yellow (0%)

Black (17%)



Cyan (43%)

Magenta (26%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4181, 46.6893, 68.4570 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 41.4181, 46.6893, 68.4570 by changing the saturation by 10% instead.

■ 41.4181, 46.6893,
68.4570

■ 41.4181, 46.6893,
68.4570

343.0978,
373.5730, 473.7555

■ 28.8350, 32.7901,
49.8006

■ 76.5889, 85.2497,
118.6661

■ 19.0997, 21.9657,
34.8849

■ 99.9073, 110.6796,
151.0558

■ 11.8468, 13.8317,
23.2914

127.5349,
140.7219, 188.8604

■ 6.7109, 8.0037,
14.6015

159.8370,
175.7610, 232.4985

■ 3.3267, 4.0973,
8.3967

197.1790,
216.1813, 282.3884

■ 1.3288, 1.7281,
4.2584

239.9263,

■ 0.2046, 0.4418,

262.3671, 338.9489

1.7682

288.4441,
314.7029, 402.5984

■ 0.0000, 0.0000,
0.4068

■ 0.0000, 0.0000,
0.0000

■ 41.4181, 46.6893,
68.4570

■ 41.4181, 46.6893,
68.4570

■ 36.5091, 41.8870,
67.7896

■ 47.1005, 52.0113,
69.1855

■ 32.3298, 37.5769,
67.1779

■ 53.5884, 57.8680,
69.9740

■ 28.8383, 33.7365,
66.6207

■ 60.9174, 64.2804,
70.8255

■ 25.9864, 30.3394,
66.1153

■ 69.1195, 71.2668,
71.7417

■ 23.7193, 27.3553,
65.6588

■ 78.2250, 78.8443,
72.7244

■ 21.9714, 24.7485,
65.2477

■ 81.8880, 83.7432,
73.4769

■ 20.7715, 22.7302,
64.9214

■ 84.0026, 87.9724,
74.1818

■ 86.2049, 92.3769,
74.9159

■ 88.4957, 96.9586,
75.6795

Harmonies

Analogous

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



39.1946, 46.6893, 60.8718



41.4181, 46.6893, 68.4570



44.5321, 46.6893, 71.1797

Triad

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



41.4181, 46.6893, 68.4570



51.0046, 46.6893, 50.3936



41.1619, 46.6893, 36.8912

Complementary

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



41.4181, 46.6893, 68.4570



45.9781, 43.8989, 32.8392

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.



44.2218, 46.6893, 34.7937



41.4181, 46.6893, 68.4570



49.9967, 46.6893, 41.9700

Square

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



41.4181, 46.6893, 68.4570



50.1649, 46.6893, 60.0079



47.4731, 46.6893, 36.5335



39.0519, 46.6893, 42.6511

Rectangle

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



41.4181, 46.6893, 68.4570



46.7254, 46.6893, 69.6340



47.4731, 46.6893, 36.5335



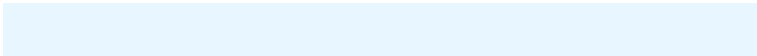
42.1082, 46.6893, 35.7689

Sweetspot

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



41.4195, 46.6912, 68.4581



84.6066, 90.9075, 107.6954



41.9474, 55.3992, 45.0426



17.7698, 19.1577, 23.0112



0.0000, 0.0000, 0.0000



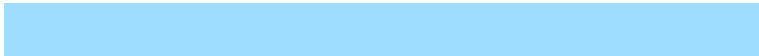
20.3446, 21.4041, 23.3091

Same Dimension

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



41.4195, 46.6912, 68.4581



58.0886, 66.3360, 104.3503



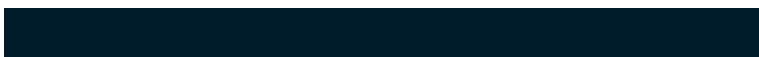
35.3244, 34.5010, 66.4264



11.7972, 12.6847, 15.0703



12.6346, 13.9158, 39.2126



0.7792, 0.9236, 2.2168

Inverse Universe

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



46.0676, 37.7317, 52.4339



66.5663, 50.9808, 74.9023



52.6300, 57.2027, 35.0565



12.1285, 11.9362, 13.9527



19.0081, 9.4761, 15.4807



1.0995, 0.5445, 1.0589

Previews

White Background



This preview shows how the XYZ color 41.4181, 46.6893, 68.4570 looks on a white background.

Color Contrast Check

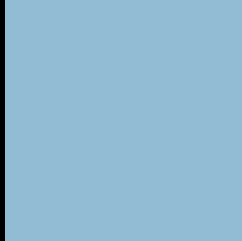
Large Text (above 18pt) WCAG AA × Fail

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 41.4181, 46.6893, 68.4570 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 41.4181, 46.6893, 68.4570

Background



This preview shows how black text looks on a background with the XYZ color 41.4181, 46.6893, 68.4570.



This preview shows how white text looks on a background with the XYZ color 41.4181, 46.6893,

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

41.4181, 46.6893, 68.4570

Protanopia

45.5933, 46.4459, 64.9544

Deuteranopia

47.4995, 46.4387, 69.4109



Tritanopia

40.4244, 46.5945, 63.9898

Trichromacy



Original Color

41.4181, 46.6893, 68.4570

Protanomaly

43.8357, 46.4204, 66.3241

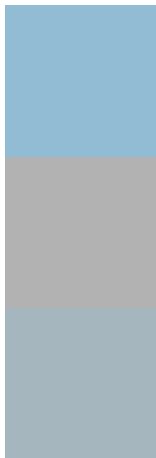
Deuteranomaly

44.9851, 46.3473, 68.8623

Tritanomaly

40.9617, 46.8295, 65.9116

Monochromacy



Original Color

41.4181, 46.6893, 68.4570

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.7481, 45.2806, 55.2549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4181, 46.6893, 68.4570 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(145, 188, 211)` looks like.

```
.text, #text, p{  
    color:rgb(145, 188, 211)  
}
```

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(145, 188, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 188, 211) }
```

Border

The CSS property to change the border of an element to XYZ 41.4181, 46.6893, 68.4570 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(145, 188, 211) }
```


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

```
.border{ border-color:rgb(145, 188, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 188, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 188, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 188, 211);  
box-shadow:4px 4px 4px 4px rgb(145, 188,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4181, 46.6893, 68.4570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 188, 211) }
```

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

```
.background{ background-color: rgb(145,  
188, 211) }
```

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