

Converting Colors

XYZ(41.1884, 46.6001, 65.8559)

Have a look what the booklet for
XYZ(41.1884, 46.6001, 65.8559)
contains.

XYZ(41.2783, 46.6745, 65.8650)	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(41.2783, 46.6745,
65.8650)**

Conversions

Conversions Part 1

Format	Color
Hex	93BCCF
RGB	147, 188, 207
RGB Percent	58%, 74%, 81%
CMY	0.4235, 0.2627, 0.1882
CMYK	0.29, 0.09, 0.00, 0.19
HSL	199°, 38%, 69%
HSV	199°, 29%, 81%
XYZ	41.2783, 46.6745, 65.8650
YIQ	177.9070, -30.5350, -2.7830

Conversions

Conversions Part 2

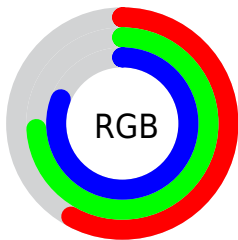
Format	Color
R_{YB}	147, 171, 207
Decimal	9682127
CIE _{Lab}	73.98, -9.21, -14.01
CIE _{LCh}	74, 16.760, 236.685
Yxy	46.6745, 0.2684, 0.3034
Android (android.graphics.Color)	4287872207 (0xFF93BCCF)
YUV	177.9070, 14.3428, -27.1054
Hunter-Lab	68.3187, -11.7078, -9.3374

Details

The XYZ color **41.2783, 46.6745, 65.8650** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.6354, 42.6447, 33.4835**, and the grayscale version is **42.2070, 44.4051, 48.3571**.

A 20% lighter version of the original color is **74.7578, 84.4779, 106.9735**, and **19.0298, 22.0075, 33.3819** is the 20% darker color. If you saturate the color by 10%, you get **36.5269, 42.1945, 65.2515**, and if you desaturate by 10%, it is **46.7641, 51.6297, 66.5331**.

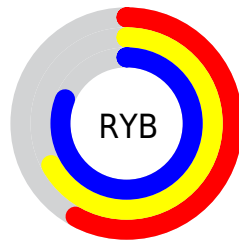
Distribution



Red (58%)

Green (74%)

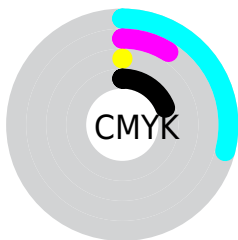
Blue (81%)



Red (58%)

Yellow (67%)

Blue (81%)

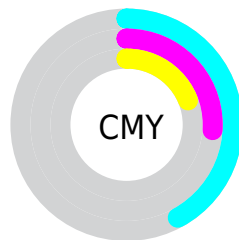


Cyan (29%)

Magenta (9%)

Yellow (0%)

Black (19%)



Cyan (42%)

Magenta (26%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2783, 46.6745, 65.8650 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 41.2783, 46.6745, 65.8650 by changing the saturation by 10% instead.

■ 41.2783, 46.6745,
65.8650

■ 41.2783, 46.6745,
65.8650

342.5252,
373.5138, 464.2849

■ 28.7252, 32.7784,
47.7070

■ 76.3782, 85.2275,
114.9177

■ 19.0163, 21.9567,
33.2366

■ 99.6558, 110.6533,
146.6495

■ 11.7861, 13.8251,
22.0352

127.2389,
140.6911, 183.7430

■ 6.6694, 7.9991,
13.6842

159.4929,
175.7252, 226.6168

■ 3.3007, 4.0944,
7.7651

196.7832,
216.1402, 275.6893

■ 1.3147, 1.7265,
3.8594

239.4751,

■ 0.1942, 0.4407,

262.3203, 331.3791

1.5485

287.9340,
314.6500, 394.1048

■ 0.0000, 0.0000,
0.2537

■ 0.0000, 0.0000,
0.0000

■ 41.2783, 46.6745,
65.8650

■ 41.2783, 46.6745,
65.8650

■ 36.5269, 42.1945,
65.2515

■ 46.7641, 51.6297,
66.5331

■ 32.4689, 38.1640,
64.6874

■ 53.0139, 57.0733,
67.2544

■ 29.0657, 34.5630,
64.1717

■ 60.0609, 63.0248,
68.0318

■ 26.2729, 31.3673,
63.7021

■ 67.9351, 69.5006,
68.8667

■ 24.0401, 28.5496,
63.2759

■ 76.6647, 76.5165,
69.7608

■ 22.3080, 26.0780,
62.8901

■ 80.0620, 80.8837,
70.4247

■ 20.9803, 23.9014,
62.5400

■ 81.8924, 84.5447,
71.0349

■ 20.8552, 23.6902,
62.5058

■ 83.7919, 88.3436,
71.6680

■ 85.7611, 92.2821,
72.3244

Harmonies

Analogous

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



39.4199, 46.6745, 58.5823



41.2783, 46.6745, 65.8650



44.0310, 46.6745, 69.1014

Triad

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



41.2783, 46.6745, 65.8650



50.3556, 46.6745, 51.7789



41.8297, 46.6745, 37.4787

Complementary

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



41.2783, 46.6745, 65.8650



44.6354, 42.6447, 33.4835

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.



44.6961, 46.6745, 36.0868



41.2783, 46.6745, 65.8650



49.7023, 46.6745, 43.7767

Square

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



41.2783, 46.6745, 65.8650



49.3445, 46.6745, 60.4145



47.5971, 46.6745, 38.2615



39.7281, 46.6745, 42.3002

Rectangle

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



41.2783, 46.6745, 65.8650



46.0345, 46.6745, 68.2873



47.5971, 46.6745, 38.2615



42.7318, 46.6745, 36.6194

Sweetspot

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



41.2797, 46.6764, 65.8661



84.8304, 91.3551, 107.7700



41.1379, 53.5462, 43.7656



17.8251, 19.2683, 23.0296



0.0000, 0.0000, 0.0000



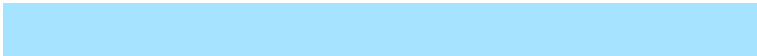
20.3446, 21.4041, 23.3091

Same Dimension

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



41.2797, 46.6764, 65.8661



61.1217, 70.0964, 104.9162



35.6942, 35.5054, 64.0042



11.8296, 12.7494, 15.0810



13.2278, 15.1023, 39.4103



0.8092, 0.9836, 2.2268

Inverse Universe

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



45.2441, 37.7648, 52.4838



68.6602, 53.9734, 79.2846



50.5146, 54.4031, 35.4432



12.1449, 11.9427, 14.0386



19.3075, 9.5959, 17.0575



1.1147, 0.5506, 1.1387

Previews

White Background



This preview shows how the XYZ color 41.2783, 46.6745, 65.8650 looks on a white background.

Color Contrast Check

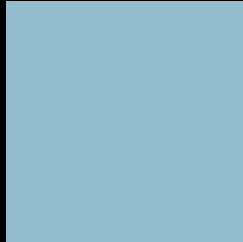
Large Text (above 18pt) WCAG AA × Fail

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 41.2783, 46.6745, 65.8650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

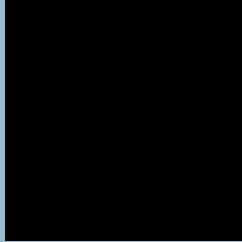
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.2783, 46.6745, 65.8650

Background



This preview shows how black text looks on a background with the XYZ color 41.2783, 46.6745, 65.8650.



This preview shows how white text looks on a background with the XYZ color 41.2783, 46.6745,

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

41.2783, 46.6745, 65.8650

Protanopia

45.3420, 46.3718, 62.4380

Deuteranopia

47.4805, 46.4868, 66.7920



Tritanopia

40.9507, 46.8658, 64.0144

Trichromacy



Original Color

41.2783, 46.6745, 65.8650

Protanomaly

43.7689, 46.4421, 63.7841

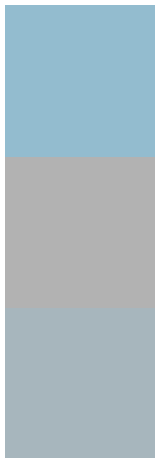
Deuteranomaly

44.9223, 46.3725, 66.2576

Tritanomaly

41.0711, 46.9140, 64.6482

Monochromacy



Original Color

41.2783, 46.6745, 65.8650

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.8496, 45.3455, 54.6910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2783, 46.6745, 65.8650 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(147, 188, 207)` looks like.

```
.text, #text, p{  
    color:rgb(147, 188, 207)  
}
```

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(147, 188, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 188, 207) }
```

Border

The CSS property to change the border of an element to XYZ 41.2783, 46.6745, 65.8650 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(147, 188, 207) }
```


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

```
.border{ border-color:rgb(147, 188, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 188, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 188, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 188, 207);  
box-shadow:4px 4px 4px 4px rgb(147, 188,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2783, 46.6745, 65.8650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 188, 207) }
```

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

```
.background{ background-color: rgb(147,  
188, 207) }
```

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