

Converting Colors

XYZ(41.8167, 44.8081, 69.7906)

Have a look what the booklet for
XYZ(41.8167, 44.8081, 69.7906)
contains.

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Color

**XYZ(41.7983, 44.6751,
70.0385)**

Conversions

Conversions Part 1

Format	Color
Hex	99B5D6
RGB	153, 181, 214
RGB Percent	60%, 71%, 84%
CMY	0.4000, 0.2902, 0.1608
CMYK	0.29, 0.15, 0.00, 0.16
HSL	212°, 43%, 72%
HSV	212°, 29%, 84%
XYZ	41.7983, 44.6751, 70.0385
YIQ	176.3900, -27.2810, 4.3270

Conversions

Conversions Part 2

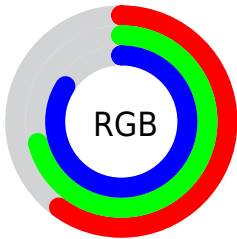
Format	Color
RYB	153, 172, 214
Decimal	10073558
CIELab	72.68, -2.00, -19.75
CIELCh	73, 19.855, 264.210
Yxy	44.6751, 0.2671, 0.2854
Android (android.graphics.Color)	4288263638 (0xFF99B5D6)
YUV	176.3900, 18.5417, -20.5130
Hunter-Lab	66.8394, -5.3433, -15.3401

Details

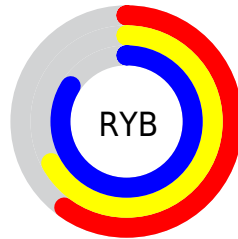
The XYZ color **41.7983, 44.6751, 70.0385** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.0408, 51.7141, 37.4297**, and the grayscale version is **41.3879, 43.5432, 47.4186**.

A 20% lighter version of the original color is **74.3466, 81.1983, 106.3621**, and **19.2327, 20.6509, 35.7732** is the 20% darker color. If you saturate the color by 10%, you get **35.8590, 38.2638, 69.1148**, and if you desaturate by 10%, it is **48.6604, 51.8546, 71.0634**.

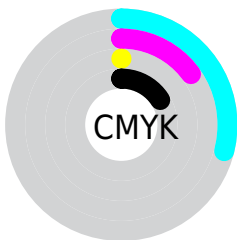
Distribution



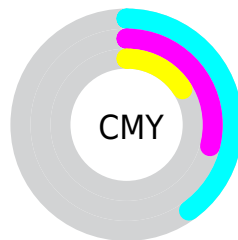
- Red (60%)
- Green (71%)
- Blue (84%)



- Red (60%)
- Yellow (67%)
- Blue (84%)



- Cyan (29%)
- Magenta (15%)
- Yellow (0%)
- Black (16%)



- Cyan (40%)
- Magenta (29%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7983, 44.6751, 70.0385 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 41.7983, 44.6751, 70.0385 by changing the saturation by 10% instead.

■ 41.7983, 44.6751,
70.0385

■ 41.7983, 44.6751,
70.0385

344.6520,
365.4561, 479.4780

■ 29.1338, 31.2016,
51.0809

■ 77.1614, 82.2326,
120.9453

■ 19.3269, 20.7524,
35.8958

■ 100.5906,
107.0855, 153.7316

■ 12.0121, 12.9431,
24.0647

128.3389,
136.5002, 191.9645

■ 6.8242, 7.3894,
15.1690

160.7714,
170.8612, 236.0627

■ 3.3977, 3.7068,
8.7901

198.2537,
210.5529, 286.4445

■ 1.3674, 1.5109,
4.5096

241.1509,

■ 0.2328, 0.2964,

255.9597, 343.5287

1.9089

289.8286,
307.4660, 407.7336

■ 0.0000, 0.0000,
0.4984

■ 0.0000, 0.0000,
0.0000

■ 41.7983, 44.6751,
70.0385

■ 41.7983, 44.6751,
70.0385

■ 35.8590, 38.2638,
69.1148

■ 48.6604, 51.8546,
71.0634

■ 30.7948, 32.5859,
68.2858

■ 56.4815, 59.8246,
72.1895

■ 26.5598, 27.6116,
67.5488

■ 65.3009, 68.6130,
73.4210

■ 23.1020, 23.3064,
66.9001

■ 75.1543, 78.2445,
74.7607

■ 20.3626, 19.6320,
66.3352

■ 84.2109, 87.7814,
76.1242

■ 18.2730, 16.5449,
65.8495

■ 87.7073, 94.7742,
77.2897

■ 16.7319, 13.9840,
65.4364

■ 89.1377, 97.6351,
77.7665

■ 16.5276, 13.6347,
65.3798

Harmonies

Analogous

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



38.7090, 44.6751, 65.6920



41.7983, 44.6751, 70.0385



45.2341, 44.6751, 68.0555

Triad

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



41.7983, 44.6751, 70.0385



48.7878, 44.6751, 41.2787



37.3178, 44.6751, 38.3813

Complementary

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



41.7983, 44.6751, 70.0385



51.0408, 51.7141, 37.4297

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.



39.8062, 44.6751, 33.3259



41.7983, 44.6751, 70.0385



46.4508, 44.6751, 34.8338

Square

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



41.7983, 44.6751, 70.0385



49.3917, 44.6751, 50.5805



43.1334, 44.6751, 32.1205



36.2134, 44.6751, 46.7568

Rectangle

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



41.7983, 44.6751, 70.0385



47.2455, 44.6751, 63.5309



43.1334, 44.6751, 32.1205



38.0134, 44.6751, 36.2851

Sweetspot

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



41.7997, 44.6769, 70.0395



83.2715, 88.2373, 107.2504



45.9978, 58.3917, 55.0421



17.4408, 18.4997, 22.9015



0.0000, 0.0000, 0.0000



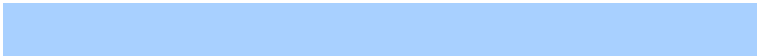
20.3446, 21.4041, 23.3091

Same Dimension

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



41.7997, 44.6769, 70.0395



56.8425, 60.7380, 103.3354



37.0538, 34.6105, 68.3467



12.2076, 12.9386, 15.7915



10.0913, 8.4443, 39.5512



0.6909, 0.6738, 2.4129

Inverse Universe

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



47.4644, 40.4159, 49.0174



66.6955, 53.9351, 66.6338



56.9390, 64.3860, 39.5648



12.6580, 12.5147, 14.1392



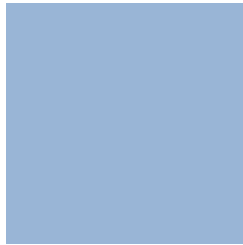
18.1525, 9.1973, 8.1069



1.1364, 0.5713, 0.7075

Previews

White Background



This preview shows how the XYZ color 41.7983, 44.6751, 70.0385 looks on a white background.

Color Contrast Check

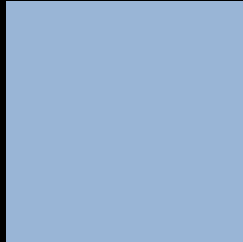
Large Text (above 18pt) WCAG AA × Fail

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 41.7983, 44.6751, 70.0385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

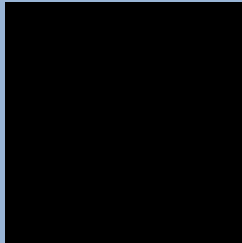
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

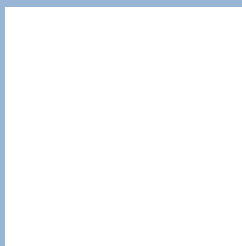
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.7983, 44.6751, 70.0385

Background



This preview shows how black text looks on a background with the XYZ color 41.7983, 44.6751, 70.0385.



This preview shows how white text looks on a background with the XYZ color 41.7983, 44.6751,

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

41.7983, 44.6751, 70.0385

Protanopia

44.0778, 44.4117, 67.8772

Deuteranopia

45.5333, 44.5255, 70.4844



Tritanopia

39.9112, 44.8422, 59.9780

Trichromacy



Original Color

41.7983, 44.6751, 70.0385

Protanomaly

43.1139, 44.4868, 68.6018

Deuteranomaly

44.1363, 44.6754, 70.5870

Tritanomaly

40.5951, 44.8059, 63.6356

Monochromacy



Original Color

41.7983, 44.6751, 70.0385

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.3631, 43.8833, 55.0055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7983, 44.6751, 70.0385 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(153, 181, 214)` looks like.

```
.text, #text, p{  
    color:rgb(153, 181, 214)  
}
```

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(153, 181, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 181, 214) }
```

Border

The CSS property to change the border of an element to XYZ 41.7983, 44.6751, 70.0385 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(153, 181, 214) }
```


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

```
.border{ border-color:rgb(153, 181, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 181, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 181, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 181, 214);  
box-shadow:4px 4px 4px 4px rgb(153, 181,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7983, 44.6751, 70.0385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 181, 214) }
```

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

```
.background{ background-color: rgb(153,  
181, 214) }
```

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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