

Converting Colors

XYZ(45.6855, 51.1046, 71.7463)

Have a look what the booklet for
XYZ(45.6855, 51.1046, 71.7463)
contains.

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Color

**XYZ(45.6855, 51.1046,
71.7463)**

Conversions

Conversions Part 1

Format	Color
Hex	9DC3D7
RGB	157, 195, 215
RGB Percent	62%, 76%, 84%
CMY	0.3843, 0.2353, 0.1569
CMYK	0.27, 0.09, 0.00, 0.16
HSL	201°, 42%, 73%
HSV	201°, 27%, 84%
XYZ	45.6855, 51.1046, 71.7463
YIQ	185.9180, -29.0680, -1.8360

Conversions

Conversions Part 2

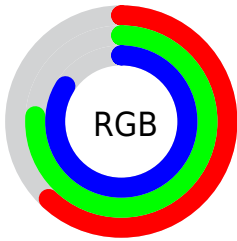
Format	Color
R_{YB}	157, 180, 215
Decimal	10339287
CIE _{Lab}	76.74, -8.08, -14.14
CIE _{LCh}	77, 16.286, 240.236
Yxy	51.1046, 0.2711, 0.3032
Android (android.graphics.Color)	4288529367 (0xFF9DC3D7)
YUV	185.9180, 14.3374, -25.3611
Hunter-Lab	71.4875, -11.0291, -9.4634

Details

The XYZ color **45.6855, 51.1046, 71.7463** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.8330, 48.3262, 38.6010**, and the grayscale version is **46.5614, 48.9862, 53.3460**.

A 20% lighter version of the original color is **80.3010, 90.9869, 107.9377**, and **21.5790, 24.5309, 36.8553** is the 20% darker color. If you saturate the color by 10%, you get **40.2346, 45.8908, 71.0281**, and if you desaturate by 10%, it is **51.9601, 56.8679, 72.5289**.

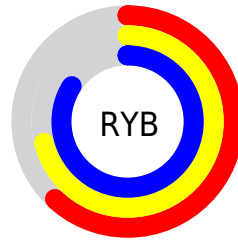
Distribution



Red (62%)

Green (76%)

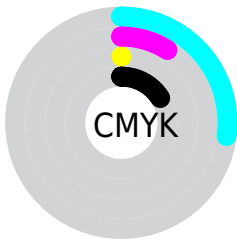
Blue (84%)



Red (62%)

Yellow (71%)

Blue (84%)

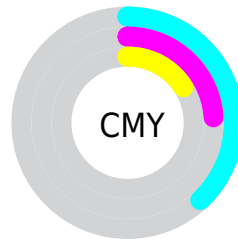


Cyan (27%)

Magenta (9%)

Yellow (0%)

Black (16%)



Cyan (38%)

Magenta (24%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6855, 51.1046, 71.7463 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 45.6855, 51.1046, 71.7463 by changing the saturation by 10% instead.

■ 45.6855, 51.1046,
71.7463

■ 45.6855, 51.1046,
71.7463

360.2800,
390.9700, 485.6119

■ 32.2013, 36.2919,
52.4659

■ 82.9789, 91.8094,
123.4001

■ 21.6716, 24.6597,
36.9918

■ 107.5187,
118.4702, 156.6106

■ 13.7310, 15.8237,
24.9054

136.4745,
149.8492, 195.3016

■ 8.0143, 9.3995,
15.7882

170.2116,
186.3307, 239.8915

■ 4.1560, 5.0027,
9.2217

209.0954,
228.2991, 290.7990

■ 1.7907, 2.2488,
4.7873

253.4911,

■ 0.5121, 0.7464,

276.1389, 348.4425

2.0664

303.7642,
330.2344, 413.2406

■ 0.0000, 0.0000,
0.5957

■ 0.0000, 0.0000,
0.0000

■ 45.6855, 51.1046,
71.7463

■ 45.6855, 51.1046,
71.7463

■ 40.2346, 45.8908,
71.0281

■ 51.9601, 56.8679,
72.5289

■ 35.5628, 41.1982,
70.3685

■ 59.0908, 63.1955,
73.3744

■ 31.6283, 37.0045,
69.7665

■ 67.1138, 70.1088,
74.2859

■ 28.3832, 33.2832,
69.2192

■ 76.0616, 77.6264,
75.2654

■ 25.7732, 30.0045,
68.7239

■ 82.3821, 83.9187,
76.1468

■ 23.7352, 27.1339,
68.2773

■ 84.5139, 88.1823,
76.8574

■ 22.1866, 24.6268,
67.8750

■ 86.7348, 92.6241,
77.5977

■ 21.7716, 23.9178,
67.7600

■ 89.0458, 97.2462,
78.3680

■ 89.2659, 97.6864,
78.4414

Harmonies

Analogous

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



43.6229, 51.1046, 64.6522



45.6855, 51.1046, 71.7463



48.5978, 51.1046, 74.4362

Triad

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



45.6855, 51.1046, 71.7463



54.7550, 51.1046, 55.5743



45.6449, 51.1046, 42.2100

Complementary

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



45.6855, 51.1046, 71.7463



49.8330, 48.3262, 38.6010

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.



48.5490, 51.1046, 40.3154



45.6855, 51.1046, 71.7463



53.8850, 51.1046, 47.5144

Square

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



45.6855, 51.1046, 71.7463



53.9111, 51.1046, 64.5184



51.5805, 51.1046, 42.1518



43.6001, 51.1046, 47.6235

Rectangle

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



45.6855, 51.1046, 71.7463



50.6558, 51.1046, 73.1696



51.5805, 51.1046, 42.1518



46.5489, 51.1046, 41.1677

Sweetspot

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



45.6871, 51.1067, 71.7475



85.7360, 91.9282, 107.8329



46.0757, 58.9178, 50.1925



17.9967, 19.3650, 23.0392



0.0000, 0.0000, 0.0000



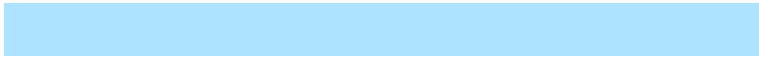
20.3446, 21.4041, 23.3091

Same Dimension

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



45.6871, 51.1067, 71.7475



62.8043, 71.0141, 105.0047



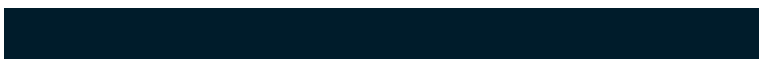
39.9293, 39.5912, 69.8282



12.4150, 13.3534, 15.8606



13.1241, 14.5101, 40.5622



0.8674, 1.0268, 2.4718

Inverse Universe

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



49.9329, 42.5025, 57.2040



70.1069, 56.8394, 79.8513



56.0223, 60.7047, 40.6641



12.7627, 12.5566, 14.6904



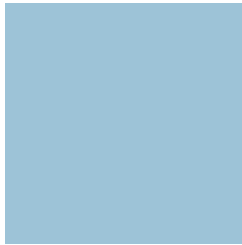
19.6833, 9.8096, 16.1683



1.2255, 0.6070, 1.1766

Previews

White Background



This preview shows how the XYZ color 45.6855, 51.1046, 71.7463 looks on a white background.

Color Contrast Check

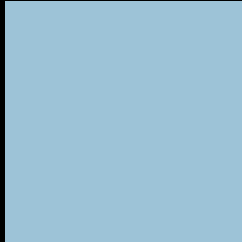
Large Text (above 18pt) WCAG AA × Fail

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 45.6855, 51.1046, 71.7463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

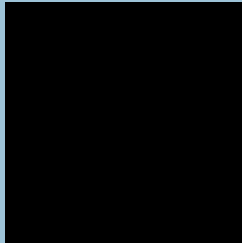
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

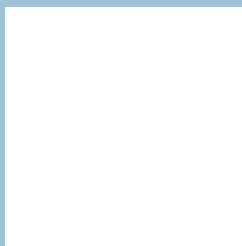
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.6855, 51.1046, 71.7463

Background



This preview shows how black text looks on a background with the XYZ color 45.6855, 51.1046, 71.7463.



This preview shows how white text looks on a background with the XYZ color 45.6855, 51.1046,

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

45.6855, 51.1046, 71.7463

Protanopia

49.8658, 51.0587, 68.1999

Deuteranopia

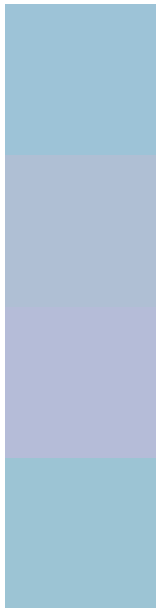
51.9130, 50.7601, 72.7072



Tritanopia

45.2081, 51.2509, 69.1377

Trichromacy



Original Color

45.6855, 51.1046, 71.7463

Protanomaly

48.1937, 51.1290, 69.6162

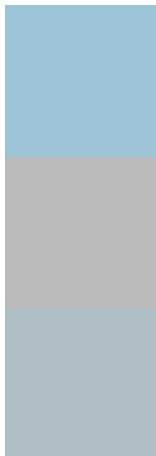
Deuteranomaly

49.4339, 50.7481, 72.1557

Tritanomaly

45.3339, 51.3012, 69.8001

Monochromacy



Original Color

45.6855, 51.1046, 71.7463

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.9548, 49.5404, 59.9635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6855, 51.1046, 71.7463 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(157, 195, 215)` looks like.

```
.text, #text, p{  
    color:rgb(157, 195, 215)  
}
```

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(157, 195, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 195, 215) }
```

Border

The CSS property to change the border of an element to XYZ 45.6855, 51.1046, 71.7463 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(157, 195, 215) }
```


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

```
.border{ border-color:rgb(157, 195, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 195, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 195, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 195, 215); box-shadow:4px 4px 4px 4px rgb(157, 195, 215) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6855, 51.1046, 71.7463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 195, 215) }
```

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

```
.background{ background-color: rgb(157,  
195, 215) }
```

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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