

Converting Colors

XYZ(46.8352, 55.0922, 70.9795)

Have a look what the booklet for
XYZ(46.8352, 55.0922, 70.9795)
contains.

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Color

**XYZ(46.9784, 55.2390,
71.1370)**

Conversions

Conversions Part 1

Format	Color
Hex	99CDD5
RGB	153, 205, 213
RGB Percent	60%, 80%, 84%
CMY	0.4000, 0.1961, 0.1647
CMYK	0.28, 0.04, 0.00, 0.16
HSL	188°, 42%, 72%
HSV	188°, 28%, 84%
XYZ	46.9784, 55.2390, 71.1370
YIQ	190.3640, -33.5600, -8.5360

Conversions

Conversions Part 2

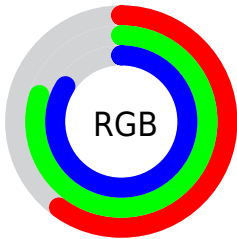
Format	Color
R _Y B	153, 181, 213
Decimal	10079701
CIE Lab	79.18, -14.93, -9.44
CIE LCh	79, 17.662, 212.318
Yxy	55.2390, 0.2710, 0.3186
Android (android.graphics.Color)	4288269781 (0xFF99CDD5)
YUV	190.3640, 11.1595, -32.7682
Hunter-Lab	74.3229, -17.2380, -4.7224

Details

The XYZ color **46.9784, 55.2390, 71.1370** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.9359, 41.9362, 35.8116**, and the grayscale version is **49.1061, 51.6635, 56.2615**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **22.4937, 27.3112, 36.4338** is the 20% darker color. If you saturate the color by 10%, you get **42.6389, 52.0041, 70.7422**, and if you desaturate by 10%, it is **52.0512, 58.8729, 71.5720**.

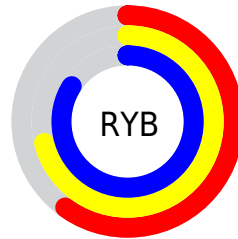
Distribution



Red (60%)

Green (80%)

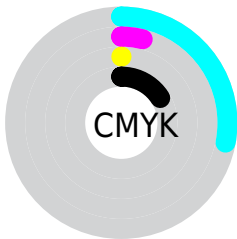
Blue (84%)



Red (60%)

Yellow (71%)

Blue (84%)

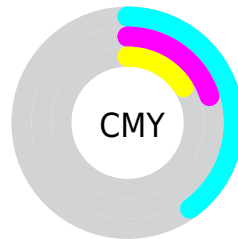


Cyan (28%)

Magenta (4%)

Yellow (0%)

Black (16%)



Cyan (40%)

Magenta (20%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9784, 55.2390, 71.1370 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 46.9784, 55.2390, 71.1370 by changing the saturation by 10% instead.

■ 46.9784, 55.2390,
71.1370

■ 46.9784, 55.2390,
71.1370

365.3787,
406.8173, 483.4288

■ 33.2265, 39.5931,
51.9715

■ 84.9003, 97.8910,
122.5251

■ 22.4600, 27.2214,
36.6003

■ 109.8010,
125.6660, 155.5847

■ 14.3138, 17.7396,
24.6048

139.1486,
158.2527, 194.1127

■ 8.4224, 10.7632,
15.5665

173.3086,
196.0356, 238.5278

■ 4.4205, 5.9078,
9.0669

212.6462,
239.3992, 289.2484

■ 1.9427, 2.7891,
4.6874

257.5269,

■ 0.6014, 1.0227,

288.7277, 346.6931

2.0096

308.3159,
344.4056, 411.2803

■ 0.0000, 0.0000,
0.5611

■ 0.0000, 0.0000,
0.0000

■ 46.9784, 55.2390,
71.1370

■ 46.9784, 55.2390,
71.1370

■ 42.6389, 52.0041,
70.7422

■ 52.0512, 58.8729,
71.5720

■ 38.9894, 49.1418,
70.3821

■ 57.8876, 62.9176,
72.0451

■ 35.9898, 46.6326,
70.0559

■ 64.5225, 67.3923,
72.5591

■ 33.5938, 44.4526,
69.7614

■ 71.9870, 72.3133,
73.1155

■ 31.7488, 42.5745,
69.4961

■ 78.6341, 76.8316,
73.6373

■ 30.3928, 40.9664,
69.2572

■ 79.3821, 78.3276,
73.8866

■ 29.4353, 39.5814,
69.0403

■ 80.1428, 79.8489,
74.1402

■ 29.2777, 39.3388,
69.0018

■ 80.9162, 81.3958,
74.3980

■ 81.7025, 82.9683,
74.6600

Harmonies

Analogous

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



46.0149, 55.2390, 60.9346



46.9784, 55.2390, 71.1370



49.4154, 55.2390, 79.0343

Triad

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



46.9784, 55.2390, 71.1370



58.7396, 55.2390, 69.6265



52.2293, 55.2390, 42.7535

Complementary

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



46.9784, 55.2390, 71.1370



45.9359, 41.9362, 35.8116

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.



55.7167, 55.2390, 44.5356



46.9784, 55.2390, 71.1370



59.5741, 55.2390, 59.3640

Square

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



46.9784, 55.2390, 71.1370



56.2123, 55.2390, 78.0959



58.4446, 55.2390, 50.3495



48.9606, 55.2390, 45.1814

Rectangle

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



46.9784, 55.2390, 71.1370



51.6017, 55.2390, 81.5175



58.4446, 55.2390, 50.3495



53.4147, 55.2390, 42.8798

Sweetspot

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



46.9800, 55.2412, 71.1383



87.0777, 94.6114, 108.2801



43.2774, 56.8999, 41.9607



18.3362, 20.0440, 23.1524



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.



46.9800, 55.2412, 71.1383



66.4458, 79.9446, 106.5365



40.6736, 42.6283, 69.0361



12.6445, 13.8123, 15.9371



17.9383, 24.1383, 42.1669



1.1220, 1.5360, 2.5567

Inverse Universe

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



49.8526, 41.3377, 63.1115



71.5428, 55.8740, 92.1594



51.6049, 53.2741, 37.7012



12.8785, 12.6029, 15.3003



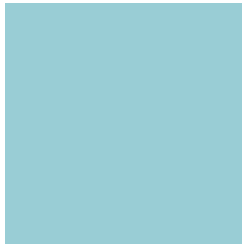
22.1133, 10.7816, 28.9642



1.3540, 0.6584, 1.8534

Previews

White Background



This preview shows how the XYZ color 46.9784, 55.2390, 71.1370 looks on a white background.

Color Contrast Check

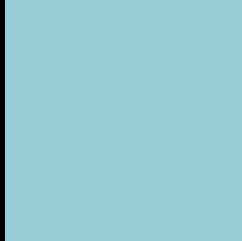
Large Text (above 18pt) WCAG AA × Fail

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 46.9784, 55.2390, 71.1370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

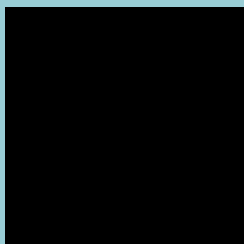
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

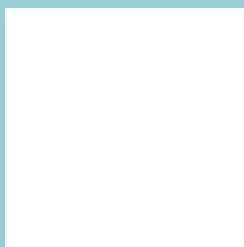
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9784, 55.2390, 71.1370

Background



This preview shows how black text looks on a background with the XYZ color 46.9784, 55.2390, 71.1370.



This preview shows how white text looks on a background with the XYZ color 46.9784, 55.2390,

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

46.9784, 55.2390, 71.1370

Protanopia

53.1973, 54.7756, 66.1615

Deuteranopia

55.9850, 54.7639, 72.5855



Tritanopia

48.0287, 55.3216, 75.8569

Trichromacy



Original Color

46.9784, 55.2390, 71.1370

Protanomaly

50.5251, 54.6949, 68.2158

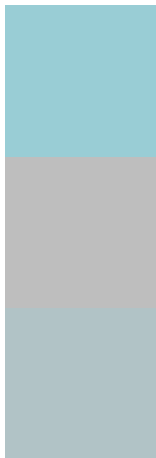
Deuteranomaly

52.0305, 54.3756, 72.0432

Tritanomaly

47.4437, 55.0655, 73.7738

Monochromacy



Original Color

46.9784, 55.2390, 71.1370

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.8396, 52.4545, 61.0294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9784, 55.2390, 71.1370 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, 205, 213)` looks like.

```
.text, #text, p{  
    color:rgb(153, 205, 213)  
}
```

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, 205, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 205, 213) }
```

Border

The CSS property to change the border of an element to XYZ 46.9784, 55.2390, 71.1370 is called "border". The border property can be set on classes, ids or directly on the HTML element.

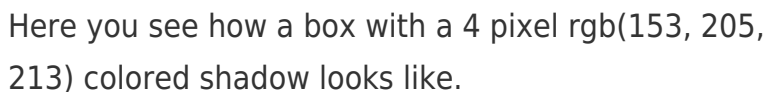
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 205, 213) }
```


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

```
.border{ border-color:rgb(153, 205, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 205, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 205, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 205, 213);  
box-shadow:4px 4px 4px 4px rgb(153, 205,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9784, 55.2390, 71.1370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 205, 213) }
```

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

```
.background{ background-color: rgb(153,  
205, 213) }
```

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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