

Converting Colors

XYZ(71.5222, 78.7793,
103.7905)

Have a look what the booklet for
XYZ(71.5222, 78.7793, 103.7905)
contains.

XYZ(71.6361, 79.0015, 103.5686)	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(71.6361, 79.0015,
103.5686)**

Conversions

Conversions Part 1

Format	Color
Hex	CAEBFC
RGB	202, 235, 252
RGB Percent	79%, 92%, 99%
CMY	0.2078, 0.0784, 0.0118
CMYK	0.20, 0.07, 0.00, 0.01
HSL	200°, 89%, 89%
HSV	200°, 20%, 99%
XYZ	71.6361, 79.0015, 103.5686
YIQ	227.0710, -25.1250, -1.7090

Conversions

Conversions Part 2

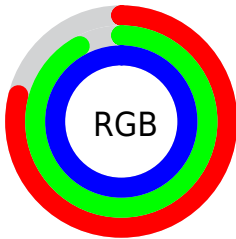
Format	Color
R _Y B	202, 222, 252
Decimal	13298684
CIE Lab	91.23, -7.20, -11.80
CIE LCh	91, 13.824, 238.634
Yxy	79.0015, 0.2818, 0.3108
Android (android.graphics.Color)	4291488764 (0xFFCAEBFC)
YUV	227.0710, 12.2900, -21.9873
Hunter-Lab	88.8828, -11.6808, -6.8683

Details

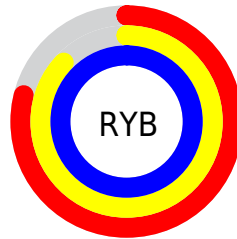
The XYZ color **71.6361, 79.0015, 103.5686** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.1377, 75.6227, 66.4624**, and the grayscale version is **72.9937, 76.7951, 83.6298**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0030, 42.3834, 57.8076** is the 20% darker color. If you saturate the color by 10%, you get **62.9731, 70.9837, 102.4789**, and if you desaturate by 10%, it is **81.5353, 87.8360, 104.7534**.

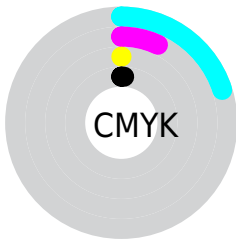
Distribution



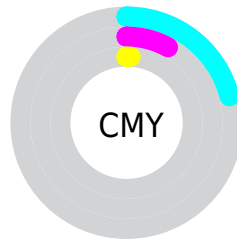
- Red (79%)
- Green (92%)
- Blue (99%)



- Red (79%)
- Yellow (87%)
- Blue (99%)



- Cyan (20%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



- Cyan (21%)
- Magenta (8%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6361, 79.0015, 103.5686 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 71.6361, 79.0015, 103.5686 by changing the saturation by 10% instead.

■ 71.6361, 79.0015,
103.5686

■ 71.6361, 79.0015,
103.5686

455.4513,
491.5614, 592.9185

■ 53.1459, 58.8970,
78.6507

120.5526,
131.9610, 168.1472

■ 38.1472, 42.5302,
58.0891

151.7096,
165.5848, 208.6449

■ 26.2747, 29.5167,
41.4651

187.8196,
204.4838, 255.1731

■ 17.1630, 19.4721,
28.3602

229.2479,
249.0425, 308.1502

■ 10.4468, 12.0119,
18.3560

276.3598,
299.6452, 367.9947

■ 5.7607, 6.7518,
11.0338

329.5208,

■ 2.7394, 3.3073,

356.6763, 435.1252

5.9751

389.0962,
420.5203, 509.9603

■ 1.0175, 1.2942,
2.7614

■ 0.0000, 0.1367,
0.9741

■ 71.6361, 79.0015,
103.5686

■ 71.6361, 79.0015,
103.5686

■ 62.9731, 70.9837,
102.4789

■ 81.5353, 87.8360,
104.7534

■ 55.4837, 63.7418,
101.4758

■ 92.7156, 97.5066,
106.0307

■ 49.1100, 57.2455,
100.5578

■ 94.5709, 99.8084,
106.3772

■ 43.7862, 51.4584,
99.7214

■ 39.4390, 46.3399,
98.9625

■ 35.9849, 41.8444,
98.2769

■ 33.3244, 37.9180,
97.6592

■ 31.2983, 34.4756,
97.1016

■ 31.2684, 34.4232,
97.0930

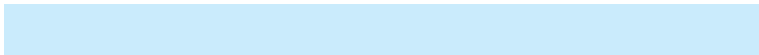
Harmonies

Analogous

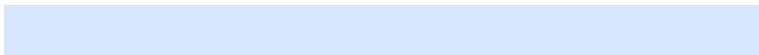
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.3291, 79.0015, 95.6008



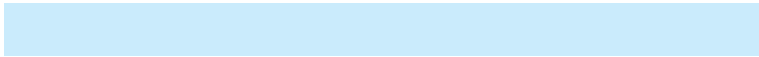
71.6361, 79.0015, 103.5686



74.9281, 79.0015, 106.7865

Triad

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



71.6361, 79.0015, 103.5686



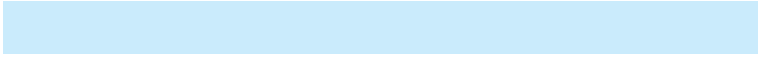
82.0273, 79.0015, 86.4800



71.9060, 79.0015, 70.1711

Complementary

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



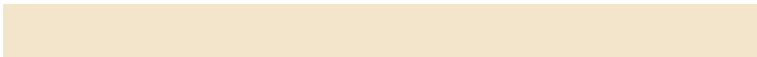
71.6361, 79.0015, 103.5686



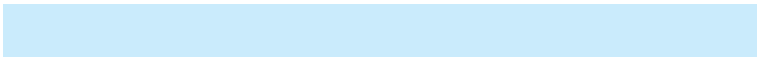
76.1377, 75.6227, 66.4624

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.



75.2493, 79.0015, 68.1357



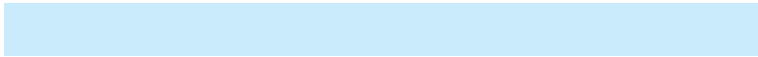
71.6361, 79.0015, 103.5686



81.1584, 79.0015, 77.1002

Square

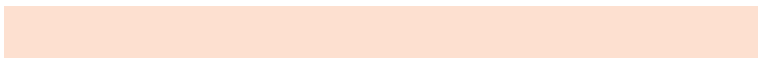
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.6361, 79.0015, 103.5686



80.9894, 79.0015, 96.4582



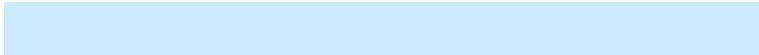
78.6502, 79.0015, 70.5735



69.4816, 79.0015, 76.3619

Rectangle

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



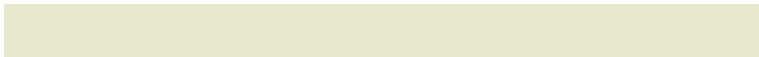
71.6361, 79.0015, 103.5686



77.2619, 79.0015, 105.6287



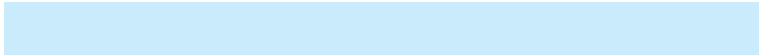
78.6502, 79.0015, 70.5735



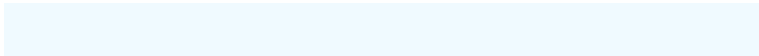
72.9564, 79.0015, 69.0005

Sweetspot

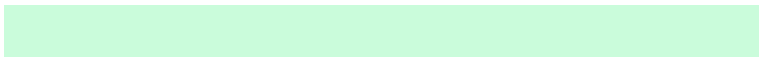
The Sweet Spot groups the original color and five complimentary colors.



71.6385, 79.0047, 103.5704



88.0066, 93.9391, 108.1014



71.9113, 87.2757, 79.8452



18.6792, 19.9697, 23.1200



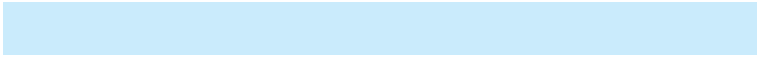
0.0000, 0.0000, 0.0000



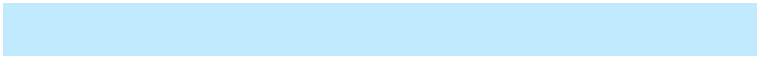
20.3446, 21.4041, 23.3091

Same Dimension

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



71.6385, 79.0047, 103.5704



69.7254, 77.6200, 105.9150



65.0583, 65.8444, 101.3770



17.2399, 18.5566, 22.0584



16.4300, 18.2155, 50.6235



1.6199, 1.8835, 4.7213

Inverse Universe

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



76.2626, 68.9364, 87.8875



75.3667, 65.7064, 86.6997



83.0574, 89.4621, 68.7690



17.7276, 17.4184, 20.4214



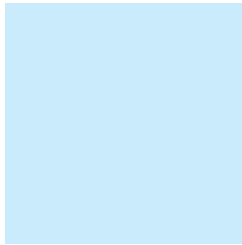
24.5851, 12.2498, 20.3215



2.3266, 1.1544, 2.1431

Previews

White Background



This preview shows how the XYZ color 71.6361, 79.0015, 103.5686 looks on a white background.

Color Contrast Check

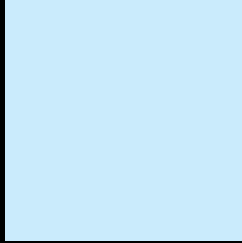
Large Text (above 18pt) WCAG AA × Fail

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 71.6361, 79.0015, 103.5686 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

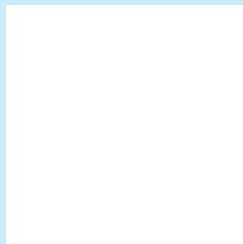
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.6361, 79.0015, 103.5686

Background



This preview shows how black text looks on a background with the XYZ color 71.6361, 79.0015, 103.5686.



This preview shows how white text looks on a background with the XYZ color 71.6361, 79.0015,

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

71.6361, 79.0015, 103.5686

Protanopia

76.6816, 78.7581, 99.9672

Deuteranopia

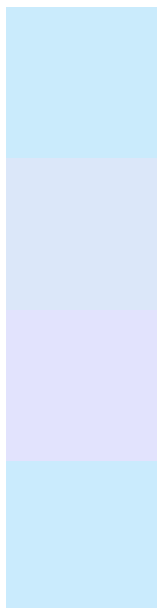
80.2122, 78.4564, 104.6819



Tritanopia

71.7951, 79.0651, 104.4056

Trichromacy



Original Color

71.6361, 79.0015, 103.5686

Protanomaly

74.8882, 79.0515, 100.9340

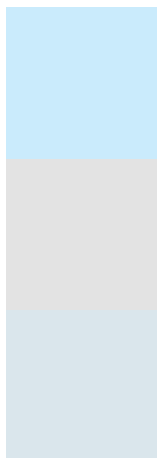
Deuteranomaly

76.5627, 78.1988, 103.9871

Tritanomaly

71.7951, 79.0651, 104.4056

Monochromacy



Original Color

71.6361, 79.0015, 103.5686

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.3506, 77.5552, 90.5132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6361, 79.0015, 103.5686 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(202, 235, 252)` looks like.

```
.text, #text, p{  
    color:rgb(202, 235, 252)  
}
```

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(202, 235, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 235, 252) }
```

Border

The CSS property to change the border of an element to XYZ 71.6361, 79.0015, 103.5686 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(202, 235, 252) }
```


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

```
.border{ border-color:rgb(202, 235, 252) }
```

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

Here you see how a box with a 4 pixel rgb(202, 235, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 235, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 235, 252);  
box-shadow:4px 4px 4px 4px rgb(202, 235,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6361, 79.0015, 103.5686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 235, 252) }
```

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

```
.background{ background-color: rgb(202,  
235, 252) }
```

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