

Converting Colors

XYZ(71.2743, 73.3846,
105.0158)

Have a look what the booklet for
XYZ(71.2743, 73.3846, 105.0158)
contains.

XYZ(71.3227, 73.4596, 105.0278)	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(71.3227, 73.4596,
105.0278)**

Conversions

Conversions Part 1

Format	Color
Hex	D4DEFF
RGB	212, 222, 255
RGB Percent	83%, 87%, 100%
CMY	0.1686, 0.1294, 0.0000
CMYK	0.17, 0.13, 0.00, 0.00
HSL	226°, 100%, 92%
HSV	226°, 17%, 100%
XYZ	71.3227, 73.4596, 105.0278
YIQ	222.7720, -16.5530, 8.1430

Conversions

Conversions Part 2

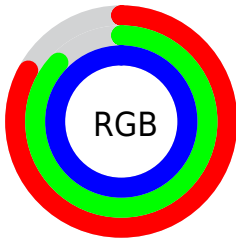
Format	Color
R _Y B	212, 220, 255
Decimal	13950719
CIE Lab	88.67, 3.21, -17.15
CIE LCh	89, 17.450, 280.604
Yxy	73.4596, 0.2855, 0.2941
Android (android.graphics.Color)	4292140799 (0xFFD4DEFF)
YUV	222.7720, 15.8884, -9.4470
Hunter-Lab	85.7086, -1.4506, -12.6583

Details

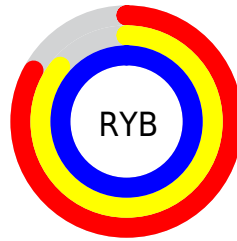
The XYZ color **71.3227, 73.4596, 105.0278** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.7758, 91.3172, 75.3943**, and the grayscale version is **69.8785, 73.5176, 80.0607**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9164, 38.8827, 58.9328** is the 20% darker color. If you saturate the color by 10%, you get **59.6452, 60.1684, 103.0778**, and if you desaturate by 10%, it is **84.7683, 88.5615, 107.2341**.

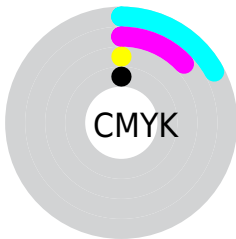
Distribution



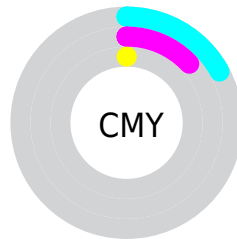
- Red (83%)
- Green (87%)
- Blue (100%)



- Red (83%)
- Yellow (86%)
- Blue (100%)



- Cyan (17%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3227, 73.4596, 105.0278 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 71.3227, 73.4596, 105.0278 by changing the saturation by 10% instead.

■ 71.3227, 73.4596,
105.0278

■ 71.3227, 73.4596,
105.0278

454.3750,
472.6062, 597.5786

■ 52.8891, 54.3519,
79.8659

120.1091,
124.1295, 170.1615

■ 37.9413, 38.8830,
59.0825

151.1926,
156.4604, 210.9702

■ 26.1142, 26.6687,
42.2591

187.2234,
193.9678, 257.8317

■ 17.0422, 17.3246,
28.9771

228.5670,
237.0361, 311.1645

■ 10.3601, 10.4662,
18.8181

275.5885,
286.0497, 371.3870

■ 5.7024, 5.7091,
11.3634

328.6535,

■ 2.7039, 2.6690,

341.3929, 438.9178

6.1946

388.1272,
403.4503, 514.1755

■ 0.9992, 0.9615,
2.8931

■ 0.0000, 0.0000,
1.0403

■ 71.3227, 73.4596,
105.0278

■ 71.3227, 73.4596,
105.0278

■ 59.6452, 60.1684,
103.0778

■ 84.7683, 88.5615,
107.2341

■ 49.6548, 48.6101,
101.3733

95.0500, 100.0000,
108.9000

■ 41.2733, 38.7138,
99.9049

■ 34.4135, 30.4006,
98.6619

■ 28.9795, 23.5845,
97.6326

■ 24.8643, 18.1709,
96.8046

■ 21.9441, 14.0530,
96.1637

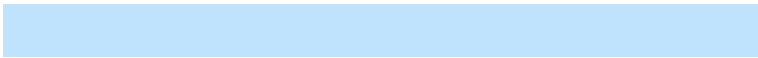
■ 20.0669, 11.1052,
95.6936

■ 19.6304, 10.3807,
95.5768

Harmonies

Analogous

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



67.1650, 73.4596, 103.9278



71.3227, 73.4596, 105.0278



75.2278, 73.4596, 98.9260

Triad

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



71.3227, 73.4596, 105.0278



76.1546, 73.4596, 65.8144



62.4546, 73.4596, 72.5244

Complementary

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



71.3227, 73.4596, 105.0278



85.7758, 91.3172, 75.3943

Split Complementary

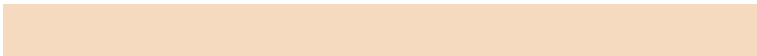
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.6799, 73.4596, 63.6306



71.3227, 73.4596, 105.0278



72.5464, 73.4596, 60.0346

Square

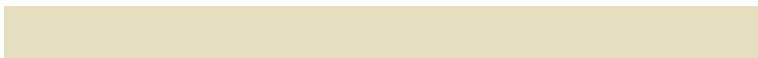
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.3227, 73.4596, 105.0278



78.0911, 73.4596, 75.7907



68.3408, 73.4596, 59.2775



62.1567, 73.4596, 84.3313

Rectangle

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



71.3227, 73.4596, 105.0278



77.1203, 73.4596, 91.9229



68.3408, 73.4596, 59.2775



62.9977, 73.4596, 69.1282

Sweetspot

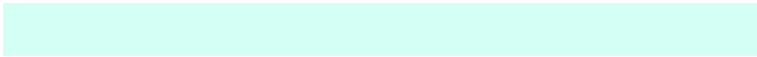
The Sweet Spot groups the original color and five complimentary colors.



71.3247, 73.4625, 105.0282



87.4716, 91.5770, 107.6736



79.3886, 92.1080, 99.9544



18.5025, 19.3560, 23.0108



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.



71.3247, 73.4625, 105.0282



67.4728, 69.0993, 104.3890



72.1702, 70.0709, 104.3290



17.3459, 18.0633, 22.8223



10.3505, 5.6106, 49.9720



1.0867, 0.7042, 4.8919

Inverse Universe

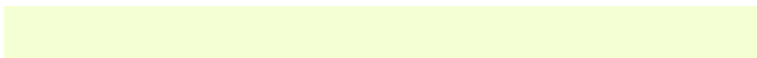
The Inverse Universe completely reimagines the original color for something new.



77.9696, 73.6225, 79.2117



75.2099, 69.3965, 74.3042



84.7907, 95.4235, 76.2388



18.1825, 18.0563, 19.5781



22.0127, 11.2944, 3.4511



2.1831, 1.1156, 0.5459

Previews

White Background



This preview shows how the XYZ color 71.3227, 73.4596, 105.0278 looks on a white background.

Color Contrast Check

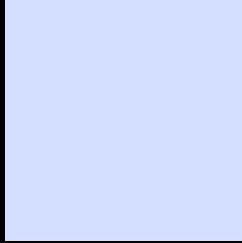
Large Text (above 18pt) WCAG AA × Fail

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 71.3227, 73.4596, 105.0278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

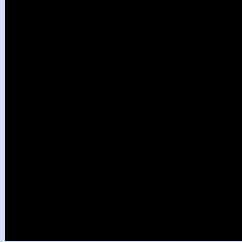
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.3227, 73.4596, 105.0278

Background



This preview shows how black text looks on a background with the XYZ color 71.3227, 73.4596, 105.0278.



This preview shows how white text looks on a background with the XYZ color 71.3227, 73.4596,

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

71.3227, 73.4596, 105.0278

Protanopia

72.3611, 73.6204, 104.1622

Deuteranopia

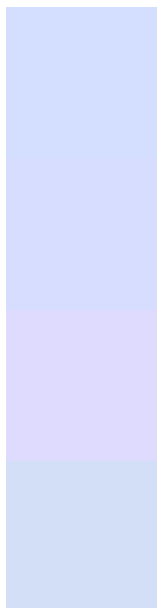
74.8578, 73.3397, 104.8183



Tritanopia

69.2610, 73.4238, 94.5262

Trichromacy



Original Color

71.3227, 73.4596, 105.0278

Protanomaly

71.7702, 73.3157, 104.1346

Deuteranomaly

73.5057, 73.4126, 104.9036

Tritanomaly

70.0401, 73.3396, 98.4601

Monochromacy



Original Color

71.3227, 73.4596, 105.0278

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

70.5965, 73.8336, 89.1277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.3227, 73.4596, 105.0278 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(212, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 222, 255)  
}
```

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(212, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.3227, 73.4596, 105.0278 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(212, 222, 255) }
```


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

```
.border{ border-color:rgb(212, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.3227, 73.4596, 105.0278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 222, 255) }
```

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

```
.background{ background-color: rgb(212,  
222, 255) }
```

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