

Converting Colors

XYZ(70.5730, 87.4274,
105.6897)

Have a look what the booklet for
XYZ(70.5730, 87.4274, 105.6897)
contains.

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Color

**XYZ(70.7232, 87.4961,
106.0894)**

Conversions

Conversions Part 1

Format	Color
Hex	ADFFFD
RGB	173, 255, 253
RGB Percent	68%, 100%, 99%
CMY	0.3216, 0.0000, 0.0078
CMYK	0.32, 0.00, 0.01, 0.00
HSL	179°, 100%, 84%
HSV	179°, 32%, 100%
XYZ	70.7232, 87.4961, 106.0894
YIQ	230.2540, -48.2300, -18.0060

Conversions

Conversions Part 2

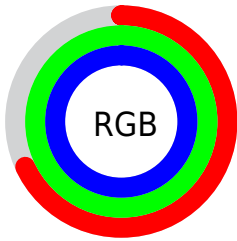
Format	Color
RYB	173, 215, 255
Decimal	11403261
CIELab	94.95, -25.14, -6.98
CIELCh	95, 26.095, 195.525
Yxy	87.4961, 0.2676, 0.3310
Android (android.graphics.Color)	4289593341 (0xFFADFFFD)
YUV	230.2540, 11.2138, -50.2118
Hunter-Lab	93.5394, -28.7336, -1.7673

Details

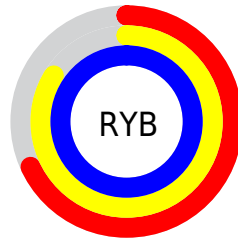
The XYZ color **70.7232, 87.4961, 106.0894** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.9223, 54.2437, 47.6594**, and the grayscale version is **75.3470, 79.2709, 86.3260**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **37.4940, 48.1556, 59.5434** is the 20% darker color. If you saturate the color by 10%, you get **65.5142, 84.8221, 105.3311**, and if you desaturate by 10%, it is **77.0108, 90.7259, 106.9028**.

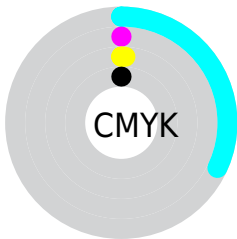
Distribution



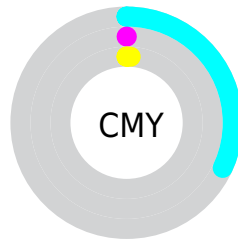
- Red (68%)
- Green (100%)
- Blue (99%)



- Red (68%)
- Yellow (84%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.7232, 87.4961, 106.0894 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 70.7232, 87.4961, 106.0894 by changing the saturation by 10% instead.


 70.7232, 87.4961,
106.0894

 70.7232, 87.4961,
106.0894


452.3121,
519.8517, 600.9570

 52.3981, 65.9058,
80.7506


 119.2602,
143.8554, 171.6251

 37.5480, 48.1960,
59.8064


150.2027,
179.3933, 212.6591

 25.8077, 33.9821,
42.8383


186.0818,
220.3491, 259.7620

 16.8118, 22.8798,
29.4278

227.2627,
267.1073, 313.3521

 10.1948, 14.5048,
19.1563

274.1108,
320.0522, 373.8482

 5.5916, 8.4726,
11.6053

326.9915,

 2.6367, 4.3988,

379.5683, 441.6686

6.3563

386.2702,
446.0400, 517.2321

■ 0.9647, 1.8991,
2.9906

■ 0.0000, 0.5478,
1.0899

■ 70.7232, 87.4961,
106.0894

■ 70.7232, 87.4961,
106.0894

■ 65.5142, 84.8221,
105.3311

■ 77.0108, 90.7259,
106.9028

■ 61.3190, 82.6708,
104.6204

■ 84.4302, 94.5393,
107.7694

■ 58.0713, 81.0079,
103.9558

■ 93.0351, 98.9638,
108.6932

■ 55.6952, 79.7943,
103.3336

■ 95.0500, 100.0000,
108.9000

■ 54.1033, 78.9849,
102.7498

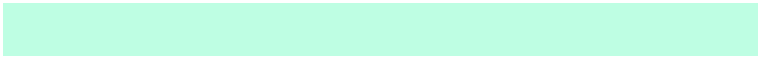
■ 53.1901, 78.5254,
102.1995

■ 52.8254, 78.3462,
101.7854

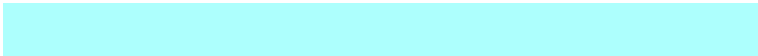
Harmonies

Analogous

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



70.6653, 87.4961, 85.8515



70.7232, 87.4961, 106.0894



73.9848, 87.4961, 125.8842

Triad

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



70.7232, 87.4961, 106.0894



93.2595, 87.4961, 125.2770



86.6119, 87.4961, 62.2848

Complementary

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



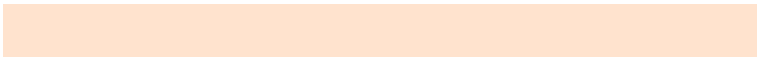
70.7232, 87.4961, 106.0894



63.9223, 54.2437, 47.6594

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.



93.0692, 87.4961, 70.0685



70.7232, 87.4961, 106.0894



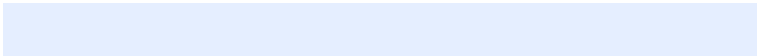
97.0524, 87.4961, 105.3498

Square

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



70.7232, 87.4961, 106.0894



86.8596, 87.4961, 137.9876



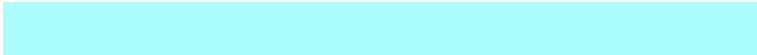
96.9809, 87.4961, 85.2094



79.5716, 87.4961, 62.4242

Rectangle

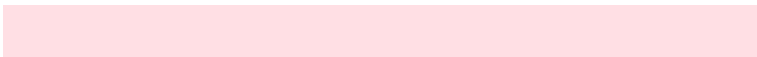
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.7232, 87.4961, 106.0894



77.6489, 87.4961, 135.3408



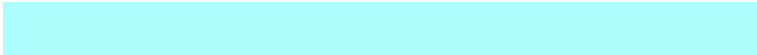
96.9809, 87.4961, 85.2094



88.9309, 87.4961, 64.0072

Sweetspot

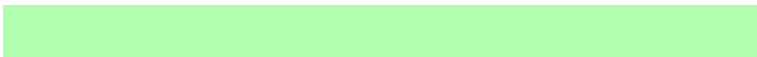
The Sweet Spot groups the original color and five complimentary colors.



70.7243, 87.4966, 106.0909



86.1830, 95.4404, 107.9636



61.1482, 83.7367, 52.4769



18.2007, 20.3017, 23.0815



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

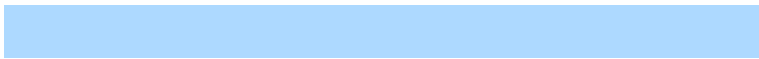
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7243, 87.4966, 106.0909



67.0456, 85.6080, 105.5654



60.0290, 65.5938, 104.1048



18.5346, 20.4734, 23.1183



27.6111, 40.9410, 53.2306



2.6942, 3.9886, 5.2136

Inverse Universe

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



63.9223, 54.2437, 47.6594



59.2224, 47.3539, 38.3547



72.1442, 70.9994, 49.4388



18.0273, 17.9942, 18.7611



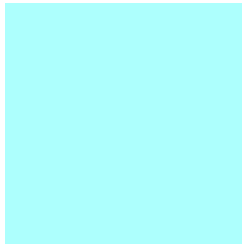
21.5743, 11.1190, 1.1429



2.1066, 1.0850, 0.1430

Previews

White Background



This preview shows how the XYZ color 70.7232, 87.4961, 106.0894 looks on a white background.

Color Contrast Check

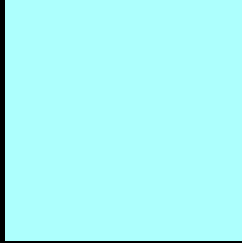
Large Text (above 18pt) WCAG AA × Fail

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 70.7232, 87.4961, 106.0894 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

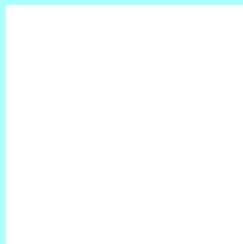
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7232, 87.4961, 106.0894

Background



This preview shows how black text looks on a background with the XYZ color 70.7232, 87.4961, 106.0894.

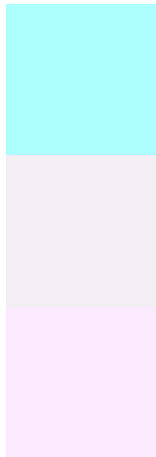


This preview shows how white text looks on a background with the XYZ color 70.7232, 87.4961,

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

70.7232, 87.4961, 106.0894

Protanopia

83.7143, 86.6748, 97.1117

Deuteranopia

87.6177, 86.7611, 106.7364



Tritanopia

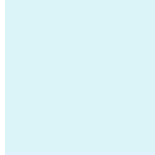
78.4340, 86.8210, 107.2320

Trichromacy



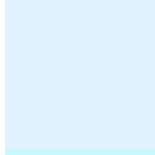
Original Color

70.7232, 87.4961, 106.0894



Protanomaly

78.0526, 86.3222, 100.5437



Deuteranomaly

80.0729, 86.3480, 106.2125



Tritanomaly

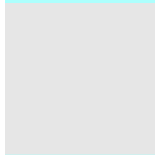
75.3183, 87.0492, 106.5984

Monochromacy



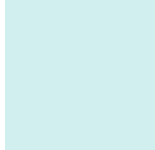
Original Color

70.7232, 87.4961, 106.0894



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.5936, 81.4614, 92.7864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7232, 87.4961, 106.0894 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(173, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 253)  
}
```

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(173, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 253) }
```

Border

The CSS property to change the border of an element to XYZ 70.7232, 87.4961, 106.0894 is called "border". The border property can be set on classes, ids or directly on the HTML element.

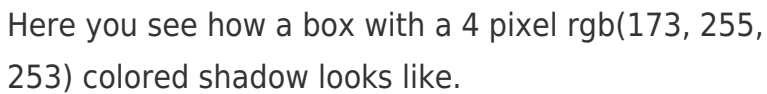
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(173, 255, 253) }
```


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

```
.border{ border-color:rgb(173, 255, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(173, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 255, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 255, 253); box-shadow:4px 4px 4px 4px rgb(173, 255, 253) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7232, 87.4961, 106.0894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 255, 253) }
```

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

```
.background{ background-color: rgb(173,  
255, 253) }
```

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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