

Converting Colors

XYZ(70.6369, 70.0064,
104.7220)

Have a look what the booklet for
XYZ(70.6369, 70.0064, 104.7220)
contains.

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Color

**XYZ(70.7118, 70.0648,
104.4047)**

Conversions

Conversions Part 1

Format	Color
Hex	D9D6FF
RGB	217, 214, 255
RGB Percent	85%, 84%, 100%
CMY	0.1490, 0.1608, 0.0000
CMYK	0.15, 0.16, 0.00, 0.00
HSL	244°, 100%, 92%
HSV	244°, 16%, 100%
XYZ	70.7118, 70.0648, 104.4047
YIQ	219.5710, -11.3730, 13.3870

Conversions

Conversions Part 2

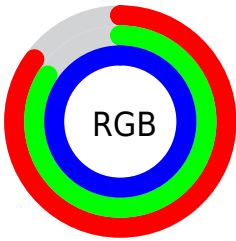
Format	Color
R _Y B	217, 214, 255
Decimal	14276351
CIE Lab	87.03, 8.97, -19.58
CIE LCh	87, 21.540, 294.609
Yxy	70.0648, 0.2884, 0.2858
Android (android.graphics.Color)	4292466431 (0xFFD9D6FF)
YUV	219.5710, 17.4665, -2.2548
Hunter-Lab	83.7047, 4.3094, -15.3590

Details

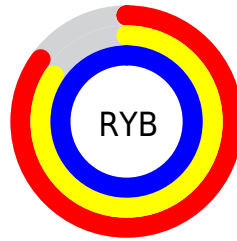
The XYZ color **70.7118, 70.0648, 104.4047** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.0440, 97.0712, 77.7177**, and the grayscale version is **67.6182, 71.1396, 77.4711**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4915, 36.5549, 58.5059** is the 20% darker color. If you saturate the color by 10%, you get **58.2272, 54.7882, 102.1140**, and if you desaturate by 10%, it is **85.2166, 87.8861, 107.0801**.

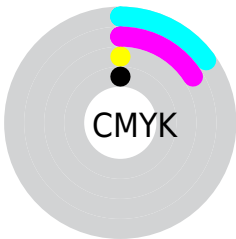
Distribution



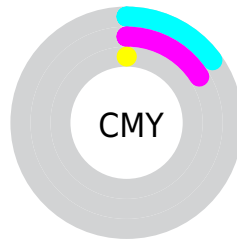
- Red (85%)
- Green (84%)
- Blue (100%)



- Red (85%)
- Yellow (84%)
- Blue (100%)



- Cyan (15%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7118, 70.0648, 104.4047 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 70.7118, 70.0648, 104.4047 by changing the saturation by 10% instead.

70.7118, 70.0648,
104.4047

70.7118, 70.0648,
104.4047

452.2729,
460.7775, 595.5910

52.3887, 51.5794,
79.3468

119.2440,
119.3012, 169.3017

37.5405, 36.6699,
58.6580

150.1839,
150.8209, 209.9779

25.8019, 24.9520,
41.9197

186.0600,
187.4541, 256.6972

16.8074, 16.0413,
28.7133

227.2379,
229.5853, 309.8784

10.1917, 9.5534,
18.6203

274.0827,
277.5989, 369.9398

5.5895, 5.1039,
11.2222

326.9599,

2.6354, 2.3083,

331.8792, 437.3000

6.1005

386.2348,
392.8106, 512.3775

■ 0.9640, 0.7781,
2.8365

■ 0.0000, 0.0000,
1.0118

■ 70.7118, 70.0648,
104.4047

■ 70.7118, 70.0648,
104.4047

■ 58.2272, 54.7882,
102.1140

■ 85.2166, 87.8861,
107.0801

■ 47.6676, 41.9322,
100.1891

95.0500, 100.0000,
108.9000

■ 38.9387, 31.3750,
98.6114

■ 31.9361, 22.9807,
97.3602

■ 26.5447, 16.5993,
96.4127

■ 22.6355, 12.0615,
95.7428

■ 20.0593, 9.1703,
95.3205

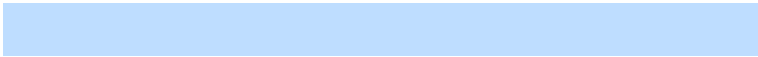
■ 18.6353, 7.6829,
95.1085

■ 18.3117, 7.3549,
95.0622

Harmonies

Analogous

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



65.6881, 70.0648, 107.3884



70.7118, 70.0648, 104.4047



74.8108, 70.0648, 93.5172

Triad

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



70.7118, 70.0648, 104.4047



72.3659, 70.0648, 55.8271



57.4053, 70.0648, 73.7106

Complementary

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



70.7118, 70.0648, 104.4047



88.0440, 97.0712, 77.7177

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.



59.0030, 70.0648, 61.3178



70.7118, 70.0648, 104.4047



67.5092, 70.0648, 51.8601

Square

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



70.7118, 70.0648, 104.4047



75.7990, 70.0648, 65.3057



62.6402, 70.0648, 53.7362



58.1670, 70.0648, 88.4387

Rectangle

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



70.7118, 70.0648, 104.4047



76.3811, 70.0648, 83.8942



62.6402, 70.0648, 53.7362



57.6817, 70.0648, 69.1573

Sweetspot

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



70.7137, 70.0676, 104.4051



86.9017, 89.9603, 107.3916



80.6773, 91.3055, 107.9793



18.3645, 18.9647, 22.9426



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.



70.7137, 70.0676, 104.4051



66.8587, 65.3431, 103.6964



77.1015, 73.3606, 104.7041



17.1260, 17.4412, 22.7138



9.6124, 3.8658, 49.6741



0.9767, 0.3974, 4.8385

Inverse Universe

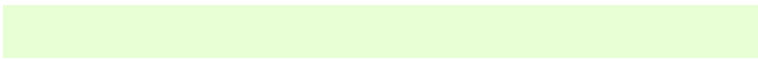
The Inverse Universe completely reimagines the original color for something new.



82.8588, 76.3840, 102.4739



80.9287, 72.6618, 101.4049



81.1021, 93.4925, 77.3928



18.7320, 18.2761, 22.4716



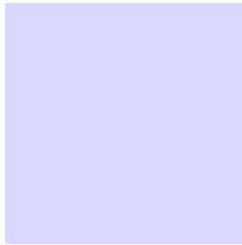
29.5111, 14.2937, 42.9375



2.8898, 1.3983, 4.2673

Previews

White Background



This preview shows how the XYZ color 70.7118, 70.0648, 104.4047 looks on a white background.

Color Contrast Check

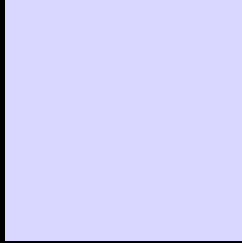
Large Text (above 18pt) WCAG AA × Fail

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 70.7118, 70.0648, 104.4047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

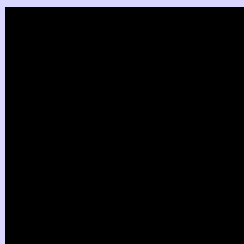
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.7118, 70.0648, 104.4047

Background



This preview shows how black text looks on a background with the XYZ color 70.7118, 70.0648, 104.4047.

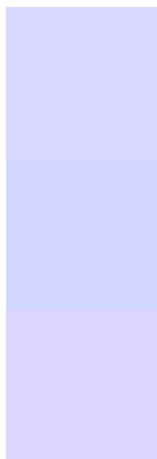


This preview shows how white text looks on a background with the XYZ color 70.7118, 70.0648,

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

70.7118, 70.0648, 104.4047

Protanopia

69.1842, 70.0334, 104.4791

Deuteranopia

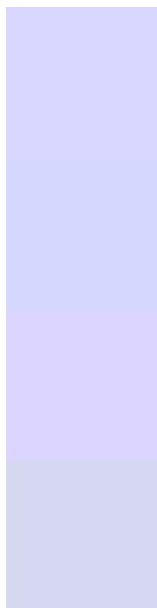
71.6630, 70.1807, 104.3769



Tritanopia

67.2488, 69.7700, 88.5198

Trichromacy



Original Color

70.7118, 70.0648, 104.4047

Protanomaly

69.7910, 69.9670, 104.4343

Deuteranomaly

71.3594, 70.0241, 104.3627

Tritanomaly

68.3144, 69.8187, 93.8802

Monochromacy



Original Color

70.7118, 70.0648, 104.4047

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.9928, 71.0861, 87.1755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7118, 70.0648, 104.4047 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(217, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 214, 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(217, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 214, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.7118, 70.0648, 104.4047 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(217, 214, 255) }
```


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

```
.border{ border-color:rgb(217, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 214,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7118, 70.0648, 104.4047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 214, 255) }
```

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

```
.background{ background-color: rgb(217,  
214, 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](#).

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