

Converting Colors

XYZ(78.0414, 73.8412,
165.8986)

Have a look what the booklet for
XYZ(78.0414, 73.8412, 165.8986)
contains.

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Color

**XYZ(66.4101, 69.3686,
104.4970)**

Conversions

Conversions Part 1

Format	Color
Hex	C6DAFF
RGB	198, 218, 255
RGB Percent	78%, 85%, 100%
CMY	0.2235, 0.1451, 0.0000
CMYK	0.22, 0.15, 0.00, 0.00
HSL	219°, 100%, 89%
HSV	219°, 22%, 100%
XYZ	66.4101, 69.3686, 104.4970
YIQ	216.2380, -23.7970, 7.2670

Conversions

Conversions Part 2

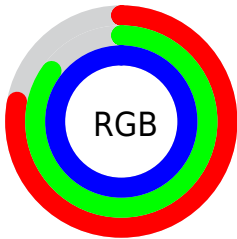
Format	Color
R _Y B	198, 213, 255
Decimal	13032191
CIE Lab	86.69, 1.07, -20.23
CIE LCh	87, 20.260, 273.015
Yxy	69.3686, 0.2764, 0.2887
Android (android.graphics.Color)	429122271 (0xFFC6DAFF)
YUV	216.2380, 19.1097, -15.9947
Hunter-Lab	83.2878, -3.4255, -16.0867

Details

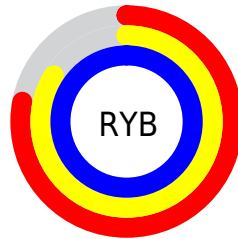
The XYZ color **66.4101, 69.3686, 104.4970** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.1412, 84.7530, 65.5102**, and the grayscale version is **65.3195, 68.7212, 74.8374**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.6179, 36.1112, 58.5717** is the 20% darker color. If you saturate the color by 10%, you get **56.1663, 58.0325, 102.8489**, and if you desaturate by 10%, it is **78.2179, 82.1507, 106.3419**.

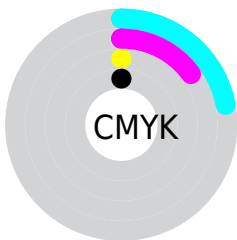
Distribution



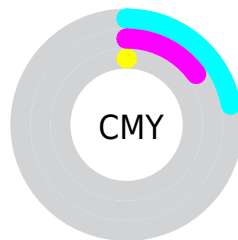
- Red (78%)
- Green (85%)
- Blue (100%)



- Red (78%)
- Yellow (84%)
- Blue (100%)



- Cyan (22%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4101, 69.3686, 104.4970 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 66.4101, 69.3686, 104.4970 by changing the saturation by 10% instead.

■ 66.4101, 69.3686,
104.4970

■ 66.4101, 69.3686,
104.4970

437.3077,
458.3299, 595.8856

■ 48.8743, 51.0120,
79.4237

113.1292,
118.3079, 169.4291

■ 34.7339, 36.2181,
58.7209

143.0432,
149.6593, 210.1249

■ 23.6235, 24.6027,
41.9699

177.8141,
186.1112, 256.8654

■ 15.1778, 15.7813,
28.7524

217.8071,
228.0478, 310.0690

■ 9.0314, 9.3695,
18.6496

263.3876,
275.8536, 370.1543

■ 4.8189, 4.9830,
11.2431

314.9209,

■ 2.1751, 2.2373,

329.9129, 437.5398

6.1144

372.7725,
390.6102, 512.6440

■ 0.7296, 0.7402,
2.8448

■ 0.0000, 0.0000,
1.0160

■ 66.4101, 69.3686,
104.4970

■ 66.4101, 69.3686,
104.4970

■ 56.1663, 58.0325,
102.8489

■ 78.2179, 82.1507,
106.3419

■ 47.4115, 48.0801,
101.3893

■ 91.6487, 96.4217,
108.3886

■ 40.0732, 39.4562,
100.1115

■ 95.0500, 100.0000,
108.9000

■ 34.0698, 32.0982,
99.0076

■ 29.3108, 25.9380,
98.0694

■ 25.6930, 20.8994,
97.2876

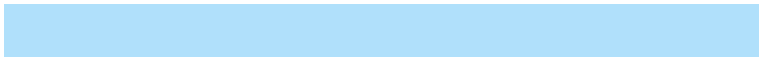
■ 23.0941, 16.8948,
96.6516

■ 21.6629, 14.4459,
96.2543

Harmonies

Analogous

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



61.9091, 69.3686, 101.0743



66.4101, 69.3686, 104.4970



70.9900, 69.3686, 99.4272

Triad

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



66.4101, 69.3686, 104.4970



73.8201, 69.3686, 62.2649



58.1891, 69.3686, 64.3648

Complementary

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



66.4101, 69.3686, 104.4970



81.1412, 84.7530, 65.5102

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.



61.1216, 69.3686, 55.8069



66.4101, 69.3686, 104.4970



70.1271, 69.3686, 54.6998

Square

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



66.4101, 69.3686, 104.4970



75.3940, 69.3686, 74.1751



65.4577, 69.3686, 52.4826



57.2982, 69.3686, 76.9026

Rectangle

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



66.4101, 69.3686, 104.4970



73.4328, 69.3686, 92.2292



65.4577, 69.3686, 52.4826



58.9616, 69.3686, 60.9800

Sweetspot

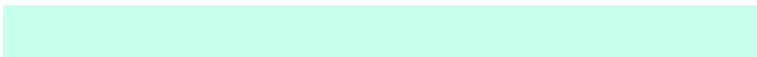
The Sweet Spot groups the original color and five complimentary colors.



66.4120, 69.3713, 104.4975



85.1998, 89.5996, 107.4117



73.9153, 89.4725, 91.2922



18.0627, 18.9936, 22.9641



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.



66.4120, 69.3713, 104.4975



61.4597, 63.9249, 103.7072



63.5881, 60.6744, 102.9676



17.5244, 18.4204, 22.8818



11.4455, 7.8005, 50.3370



1.2124, 0.9554, 4.9338

Inverse Universe

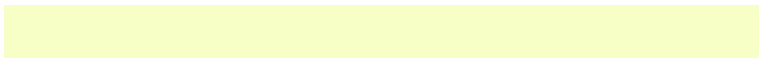
The Inverse Universe completely reimagines the original color for something new.



74.0902, 66.7117, 75.3045



70.5022, 61.1097, 69.2557



84.4525, 95.4444, 67.3993



18.2726, 18.0923, 20.0526



22.5653, 11.5154, 6.3616



2.2466, 1.1410, 0.8798

Previews

White Background



This preview shows how the XYZ color 66.4101, 69.3686, 104.4970 looks on a white background.

Color Contrast Check

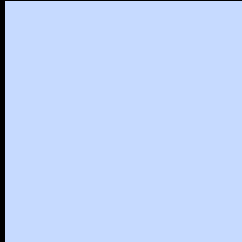
Large Text (above 18pt) WCAG AA × Fail

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 66.4101, 69.3686, 104.4970 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

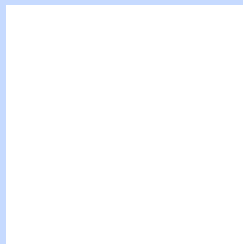
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.4101, 69.3686, 104.4970

Background



This preview shows how black text looks on a background with the XYZ color 66.4101, 69.3686, 104.4970.



This preview shows how white text looks on a background with the XYZ color 66.4101, 69.3686,

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

66.4101, 69.3686, 104.4970

Protanopia

68.3246, 69.2480, 102.6936

Deuteranopia

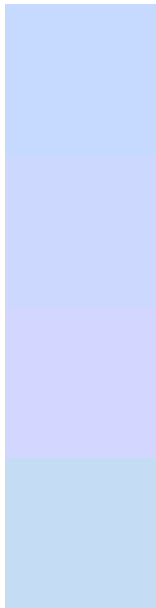
70.5069, 69.2124, 104.2510



Tritanopia

63.7947, 69.4881, 90.9391

Trichromacy



Original Color

66.4101, 69.3686, 104.4970

Protanomaly

67.6221, 69.2466, 103.5678

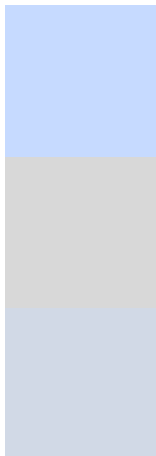
Deuteranomaly

68.9605, 69.1620, 104.3227

Tritanomaly

64.6873, 69.4538, 95.5845

Monochromacy



Original Color

66.4101, 69.3686, 104.4970

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.3903, 68.8942, 84.7144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4101, 69.3686, 104.4970 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(198, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 218, 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(198, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.4101, 69.3686, 104.4970 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(198, 218, 255) }
```


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

```
.border{ border-color:rgb(198, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4101, 69.3686, 104.4970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 218, 255) }
```

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

```
.background{ background-color: rgb(198,  
218, 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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