

Converting Colors

XYZ(68.2435, 64.0658,
103.6503)

Have a look what the booklet for
XYZ(68.2435, 64.0658, 103.6503)
contains.

XYZ(68.1501, 64.0534, 103.3794)	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(68.1501, 64.0534,
103.3794)**

Conversions

Conversions Part 1

Format	Color
Hex	DBC9FF
RGB	219, 201, 255
RGB Percent	86%, 79%, 100%
CMY	0.1412, 0.2117, 0.0000
CMYK	0.14, 0.21, 0.00, 0.00
HSL	260°, 100%, 89%
HSV	260°, 21%, 100%
XYZ	68.1501, 64.0534, 103.3794
YIQ	212.5380, -6.6060, 20.6100

Conversions

Conversions Part 2

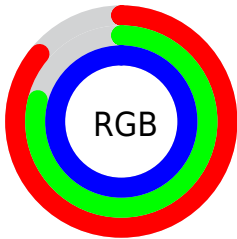
Format	Color
R _{YB}	219, 201, 255
Decimal	14404095
CIE _{Lab}	83.99, 16.51, -24.17
CIE _{LCh}	84, 29.272, 304.343
Yxy	64.0534, 0.2893, 0.2719
Android (android.graphics.Color)	4292594175 (0xFFDBC9FF)
YUV	212.5380, 20.9338, 5.6672
Hunter-Lab	80.0334, 11.9381, -20.5618

Details

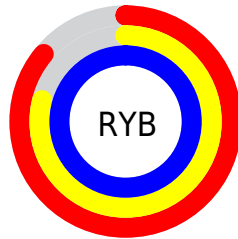
The XYZ color **68.1501, 64.0534, 103.3794** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.2290, 93.7422, 69.0741**, and the grayscale version is **62.8071, 66.0779, 71.9589**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9366, 32.8372, 57.8702** is the 20% darker color. If you saturate the color by 10%, you get **57.8361, 50.6337, 101.3327**, and if you desaturate by 10%, it is **79.9768, 79.7210, 105.7802**.

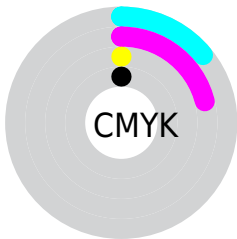
Distribution



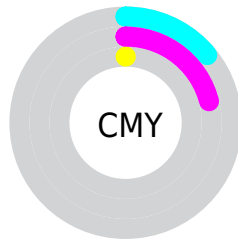
- Red (86%)
- Green (79%)
- Blue (100%)



- Red (86%)
- Yellow (79%)
- Blue (100%)



- Cyan (14%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1501, 64.0534, 103.3794 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 68.1501, 64.0534, 103.3794 by changing the saturation by 10% instead.

68.1501, 64.0534,
103.3794

68.1501, 64.0534,
103.3794

443.3960,
439.3825, 592.3128

50.2940, 46.6939,
78.4932

115.6076,
110.6878, 167.8858

35.8658, 32.7938,
57.9604

145.9396,
140.7316, 208.3431

24.5002, 21.9685,
41.3623

181.1611,
175.7722, 254.8279

15.8318, 13.8338,
28.2805

221.6372,
216.1941, 307.7587

9.4953, 8.0051,
18.2963

267.7334,
262.3817, 367.5541

5.1253, 4.0982,
10.9913

319.8151,

2.3565, 1.7287,

314.7194, 434.6325

5.9469

378.2475,
373.5915, 509.4126

■ 0.8233, 0.4421,
2.7445

■ 0.0000, 0.0000,
0.9657

■ 68.1501, 64.0534,
103.3794

■ 68.1501, 64.0534,
103.3794

■ 57.8361, 50.6337,
101.3327

■ 79.9768, 79.7210,
105.7802

■ 48.9651, 39.3487,
99.6221

■ 93.3711, 97.7271,
108.5498

■ 41.4698, 30.0871,
98.2294

■ 95.0500, 100.0000,
108.9000

■ 35.2750, 22.7240,
97.1347

■ 30.2975, 17.1201,
96.3154

■ 26.4433, 13.1162,
95.7457

■ 23.6022, 10.5226,
95.3948

■ 21.7960, 9.1511,
95.2253

Harmonies

Analogous

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



61.8250, 64.0534, 111.5015



68.1501, 64.0534, 103.3794



72.7604, 64.0534, 86.2835

Triad

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



68.1501, 64.0534, 103.3794



66.4112, 64.0534, 42.3721



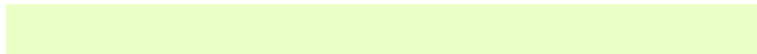
49.3309, 64.0534, 72.4680

Complementary

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



68.1501, 64.0534, 103.3794



81.2290, 93.7422, 69.0741

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.



50.3702, 64.0534, 55.4646



68.1501, 64.0534, 103.3794



59.9464, 64.0534, 39.9792

Square

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



68.1501, 64.0534, 103.3794



71.7078, 64.0534, 51.5606



54.1478, 64.0534, 44.3312



51.2026, 64.0534, 91.7651

Rectangle

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



68.1501, 64.0534, 103.3794



74.0777, 64.0534, 73.3041



54.1478, 64.0534, 44.3312



49.3525, 64.0534, 66.2996

Sweetspot

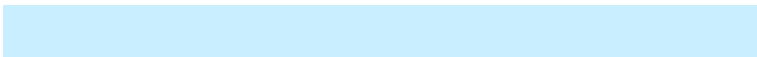
The Sweet Spot groups the original color and five complimentary colors.



68.1519, 64.0560, 103.3798



86.7082, 88.7402, 107.1663



72.6846, 80.7299, 106.3593



18.3722, 18.7429, 22.8994



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.



68.1519, 64.0560, 103.3798



64.0309, 58.6621, 102.5559



76.6292, 68.4262, 103.7765



17.5734, 17.6718, 22.7347



11.5295, 4.8541, 49.7639



1.2329, 0.5295, 4.8505

Inverse Universe

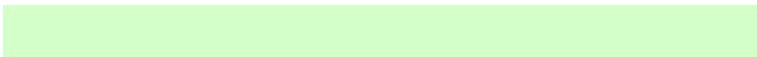
The Inverse Universe completely reimagines the original color for something new.



77.4142, 69.1501, 89.3897



74.7409, 64.5569, 86.1759



73.1396, 89.5720, 68.6956



18.5202, 18.1914, 21.3563



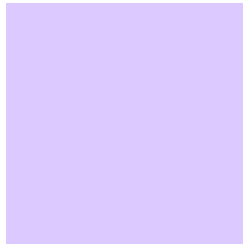
25.4124, 12.6543, 21.3540



2.5251, 1.2524, 2.3464

Previews

White Background



This preview shows how the XYZ color 68.1501, 64.0534, 103.3794 looks on a white background.

Color Contrast Check

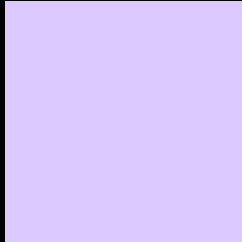
Large Text (above 18pt) WCAG AA × Fail

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 68.1501, 64.0534, 103.3794 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 68.1501, 64.0534, 103.3794

Background



This preview shows how black text looks on a background with the XYZ color 68.1501, 64.0534, 103.3794.



This preview shows how white text looks on a background with the XYZ color 68.1501, 64.0534,

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

68.1501, 64.0534, 103.3794

Protanopia

63.8946, 64.3375, 103.6585

Deuteranopia

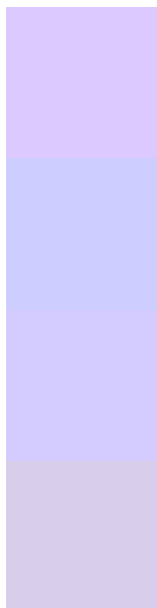
65.7331, 64.2283, 102.6987



Tritanopia

63.3637, 64.2495, 78.8738

Trichromacy



Original Color

68.1501, 64.0534, 103.3794

Protanomaly

65.3349, 64.0045, 103.5183

Deuteranomaly

66.6336, 64.3385, 102.6725

Tritanomaly

65.1456, 64.2597, 87.5671

Monochromacy



Original Color

68.1501, 64.0534, 103.3794

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

64.8284, 65.6494, 82.6536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1501, 64.0534, 103.3794 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(219, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 201, 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(219, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 201, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.1501, 64.0534, 103.3794 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(219, 201, 255) }
```


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

```
.border{ border-color:rgb(219, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 201,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1501, 64.0534, 103.3794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 201, 255) }
```

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

```
.background{ background-color: rgb(219,  
201, 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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