

Converting Colors

XYZ(70.6206, 53.0731,
128.5410)

Have a look what the booklet for
XYZ(70.6206, 53.0731, 128.5410)
contains.

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Color

**XYZ(65.4081, 51.0766,
101.0191)**

Conversions

Conversions Part 1

Format	Color
Hex	EBA3FF
RGB	235, 163, 255
RGB Percent	92%, 64%, 100%
CMY	0.0784, 0.3608, 0.0000
CMYK	0.08, 0.36, 0.00, 0.00
HSL	287°, 100%, 82%
HSV	287°, 36%, 100%
XYZ	65.4081, 51.0766, 101.0191
YIQ	195.0160, 13.3800, 43.8760

Conversions

Conversions Part 2

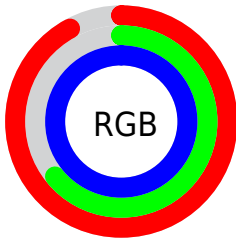
Format	Color
R _Y B	235, 163, 255
Decimal	15442943
CIE Lab	76.73, 41.76, -35.19
CIE LCh	77, 54.610, 319.876
Yxy	51.0766, 0.3007, 0.2348
Android (android.graphics.Color)	4293633023 (0xFFEBA3FF)
YUV	195.0160, 29.5721, 35.0660
Hunter-Lab	71.4679, 38.2961, -33.7783

Details

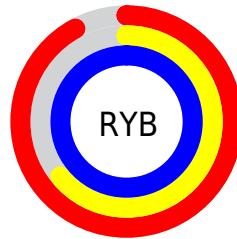
The XYZ color **65.4081, 51.0766, 101.0191** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **61.9006, 84.2322, 47.6487**, and the grayscale version is **51.7067, 54.3994, 59.2410**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **34.1291, 24.6941, 56.3937** is the 20% darker color. If you saturate the color by 10%, you get **59.5273, 41.9888, 99.5750**, and if you desaturate by 10%, it is **72.2619, 62.0235, 102.7709**.

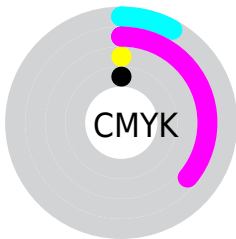
Distribution



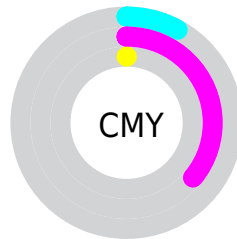
- Red (92%)
- Green (64%)
- Blue (100%)



- Red (92%)
- Yellow (64%)
- Blue (100%)



- Cyan (8%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.4081, 51.0766, 101.0191 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 65.4081, 51.0766, 101.0191 by changing the saturation by 10% instead.


 65.4081, 51.0766,
101.0191


 65.4081, 51.0766,
101.0191


433.7791,
390.8613, 584.7296

 48.0580, 36.2696,
76.5303

 111.6988, 91.7680,
164.6210

 34.0843, 24.6425,
56.3582


 141.3702,
118.4211, 204.5712

 23.1215, 15.8109,
40.0843


175.8793,
149.7918, 250.5123

 14.8045, 9.3904,
27.2900

215.5915,
186.2643, 302.8628

 8.7677, 4.9967,
17.5567

260.8723,
228.2232, 362.0412

 4.6459, 2.2453,
10.4661

312.0869,

 2.0736, 0.7445,

276.0527, 428.4661

5.5994

369.6007,
330.1373, 502.5561

■ 0.6748, 0.0000,
2.5383

■ 0.0000, 0.0000,
0.8603

■ 65.4081, 51.0766,
101.0191

■ 65.4081, 51.0766,
101.0191

■ 59.5273, 41.9888,
99.5750

■ 72.2619, 62.0235,
102.7709

■ 54.5589, 34.6432,
98.4190

■ 80.1349, 74.9246,
104.8461

■ 50.4431, 28.9194,
97.5311

■ 89.0763, 89.8760,
107.2607

■ 47.1099, 24.6786,
96.8882

95.0500, 100.0000,
108.9000

■ 44.4779, 21.7585,
96.4633

■ 42.4460, 19.9578,
96.2228

■ 41.7539, 19.4398,
96.1593

Harmonies

Analogous

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



55.6315, 51.0766, 128.2701



65.4081, 51.0766, 101.0191



70.8895, 51.0766, 66.2450

Triad

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



65.4081, 51.0766, 101.0191



52.1293, 51.0766, 16.2615



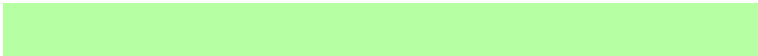
32.1344, 51.0766, 77.3272

Complementary

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



65.4081, 51.0766, 101.0191



61.9006, 84.2322, 47.6487

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.



31.4739, 51.0766, 46.1855



65.4081, 51.0766, 101.0191



42.0906, 51.0766, 17.3914

Square

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



65.4081, 51.0766, 101.0191



62.5332, 51.0766, 22.4270



34.8650, 51.0766, 26.3781



36.8187, 51.0766, 111.5652

Rectangle

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



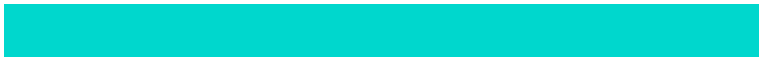
65.4081, 51.0766, 101.0191



70.9088, 51.0766, 46.4003



34.8650, 51.0766, 26.3781



31.4627, 51.0766, 65.9725

Sweetspot

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



65.4097, 51.0787, 101.0195



84.5375, 82.2526, 106.0285



50.3938, 49.4840, 101.5031



17.8370, 17.1753, 22.6250



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.



65.4097, 51.0787, 101.0195



61.2369, 44.5941, 99.9877



68.6869, 53.1958, 81.8556



18.3835, 18.0895, 22.7726



21.9495, 10.2259, 50.2515



2.2284, 1.0427, 4.8971

Inverse Universe

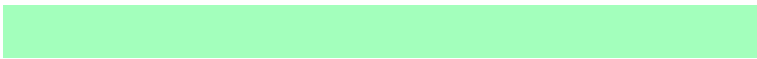
The Inverse Universe completely reimagines the original color for something new.



62.8857, 50.8753, 51.3071



58.5979, 44.4895, 43.1267



59.8926, 82.9180, 60.1639



18.1710, 18.0517, 19.5175



21.9591, 11.2729, 3.1693



2.1764, 1.1129, 0.5105

Previews

White Background



This preview shows how the XYZ color 65.4081, 51.0766, 101.0191 looks on a white background.

Color Contrast Check

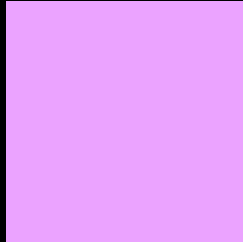
Large Text (above 18pt) WCAG AA × Fail

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 65.4081, 51.0766, 101.0191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

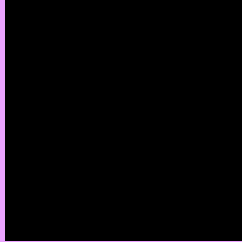
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.4081, 51.0766, 101.0191

Background



This preview shows how black text looks on a background with the XYZ color 65.4081, 51.0766, 101.0191.

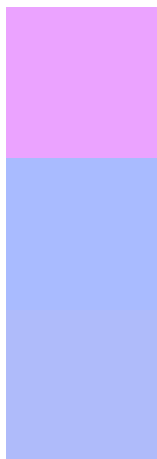


This preview shows how white text looks on a background with the XYZ color 65.4081, 51.0766,

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

65.4081, 51.0766, 101.0191

Protanopia

52.1825, 51.1957, 101.7392

Deuteranopia

52.7048, 51.5567, 97.6161



Tritanopia

56.1836, 50.9371, 55.5858

Trichromacy



Original Color

65.4081, 51.0766, 101.0191



Protanomaly

55.9627, 50.3982, 101.3860



Deuteranomaly

56.5170, 50.7394, 98.9104

Tritanomaly

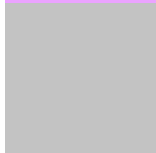
59.0136, 50.6389, 70.2823

Monochromacy



Original Color

65.4081, 51.0766, 101.0191



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

56.0362, 52.5784, 72.8409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4081, 51.0766, 101.0191 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(235, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 163, 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(235, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 163, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.4081, 51.0766, 101.0191 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(235, 163, 255) }
```


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

```
.border{ border-color:rgb(235, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 163,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4081, 51.0766, 101.0191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 163, 255) }
```

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

```
.background{ background-color: rgb(235,  
163, 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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