

Converting Colors

XYZ(58.6572, 50.7168,
102.7216)

Have a look what the booklet for
XYZ(58.6572, 50.7168, 102.7216)
contains.

XYZ(58.3629, 50.4712, 101.2736)	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(58.3629, 50.4712,
101.2736)**

Conversions

Conversions Part 1

Format	Color
Hex	CDAEFF
RGB	205, 174, 255
RGB Percent	80%, 68%, 100%
CMY	0.1961, 0.3176, 0.0000
CMYK	0.20, 0.32, 0.00, 0.00
HSL	263°, 100%, 84%
HSV	263°, 32%, 100%
XYZ	58.3629, 50.4712, 101.2736
YIQ	192.5030, -7.5250, 31.7630

Conversions

Conversions Part 2

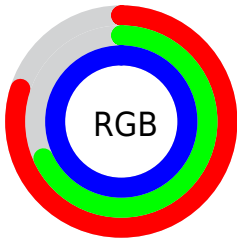
Format	Color
R _Y B	205, 174, 255
Decimal	13479679
CIE Lab	76.36, 26.89, -35.99
CIE LCh	76, 44.925, 306.763
Yxy	50.4712, 0.2778, 0.2402
Android (android.graphics.Color)	4291669759 (0xFFCDAEFF)
YUV	192.5030, 30.8110, 10.9599
Hunter-Lab	71.0431, 22.3149, -34.7891

Details

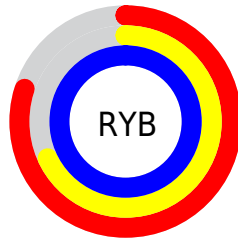
The XYZ color **58.3629, 50.4712, 101.2736** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **74.1412, 90.4236, 53.5923**, and the grayscale version is **50.2268, 52.8425, 57.5455**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **29.6081, 24.2360, 56.5436** is the 20% darker color. If you saturate the color by 10%, you get **49.7705, 39.4107, 99.5916**, and if you desaturate by 10%, it is **68.3303, 63.6311, 103.2884**.

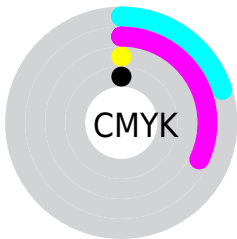
Distribution



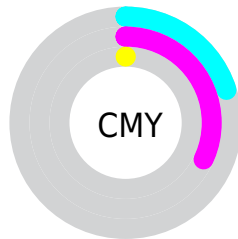
- Red (80%)
- Green (68%)
- Blue (100%)



- Red (80%)
- Yellow (68%)
- Blue (100%)



- Cyan (20%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.3629, 50.4712, 101.2736 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 58.3629, 50.4712, 101.2736 by changing the saturation by 10% instead.


 58.3629, 50.4712,
101.2736

 58.3629, 50.4712,
101.2736


408.4689,
388.5058, 585.5498

 42.3449, 35.7879,
76.7418

 101.5711, 90.8726,
164.9734

 29.5637, 24.2705,
56.5307


129.4919,
117.3596, 204.9785

 19.6541, 15.5344,
40.2217

162.1111,
148.5499, 250.9785

 12.2507, 9.1953,
27.3964

199.7939,
184.8280, 303.3918

 6.9880, 4.8688,
17.6361

242.9057,
226.5782, 362.6370

 3.5009, 2.1705,
10.5223

291.8119,

 1.4238, 0.7038,

274.1850, 429.1328

5.6365

346.8779,
328.0327, 503.2975

■ 0.2731, 0.0000,
2.5601

■ 0.0000, 0.0000,
0.8718

■ 58.3629, 50.4712,
101.2736

■ 58.3629, 50.4712,
101.2736

■ 49.7705, 39.4107,
99.5916

■ 68.3303, 63.6311,
103.2884

■ 42.4826, 30.3307,
98.2231

■ 79.7293, 78.9884,
105.6518

■ 36.4289, 23.1097,
97.1484

■ 92.6187, 96.6423,
108.3800

■ 31.5299, 17.6096,
96.3449

■ 95.0500, 100.0000,
108.9000

■ 27.6953, 13.6720,
95.7870

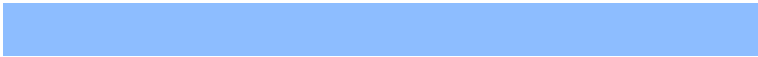
■ 24.8184, 11.1075,
95.4436

■ 23.0433, 9.7941,
95.2837

Harmonies

Analogous

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



49.9094, 50.4712, 115.2930



58.3629, 50.4712, 101.2736



64.4958, 50.4712, 75.4243

Triad

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



58.3629, 50.4712, 101.2736



54.6686, 50.4712, 22.3374



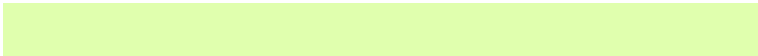
33.5833, 50.4712, 60.6157

Complementary

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



58.3629, 50.4712, 101.2736



74.1412, 90.4236, 53.5923

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.



34.5419, 50.4712, 38.5702



58.3629, 50.4712, 101.2736



46.0842, 50.4712, 20.4975

Square

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



58.3629, 50.4712, 101.2736



62.1941, 50.4712, 31.5525



38.8929, 50.4712, 25.4796



36.1012, 50.4712, 87.7577

Rectangle

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



58.3629, 50.4712, 101.2736



66.0820, 50.4712, 57.6233



38.8929, 50.4712, 25.4796



33.5147, 50.4712, 52.3695

Sweetspot

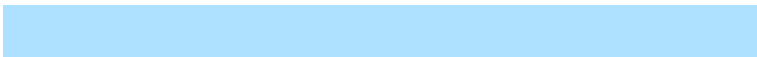
The Sweet Spot groups the original color and five complimentary colors.



58.3644, 50.4732, 101.2739



81.8921, 81.9316, 106.1059



62.5132, 70.2327, 104.8692



17.1585, 17.0334, 22.6334



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.



58.3644, 50.4732, 101.2739



52.8476, 43.3347, 100.1868



70.5647, 56.7626, 101.8449



17.6602, 17.7165, 22.7388



12.1940, 5.1967, 49.7950



1.3045, 0.5664, 4.8538

Inverse Universe

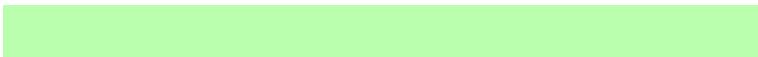
The Inverse Universe completely reimagines the original color for something new.



69.8315, 56.9155, 77.8271



66.1276, 50.8053, 72.5920



63.3606, 84.8660, 53.0878



18.4807, 18.1756, 21.1487



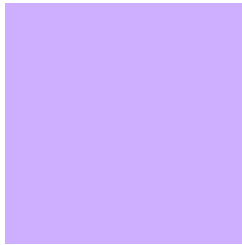
24.8221, 12.4181, 18.2452



2.4702, 1.2305, 2.0574

Previews

White Background



This preview shows how the XYZ color 58.3629, 50.4712, 101.2736 looks on a white background.

Color Contrast Check

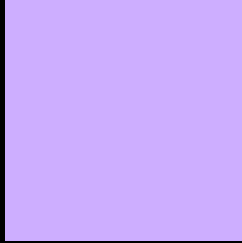
Large Text (above 18pt) WCAG AA × Fail

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 58.3629, 50.4712, 101.2736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

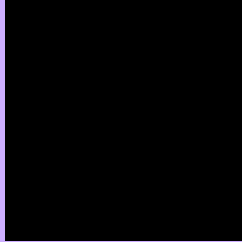
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.3629, 50.4712, 101.2736

Background



This preview shows how black text looks on a background with the XYZ color 58.3629, 50.4712, 101.2736.

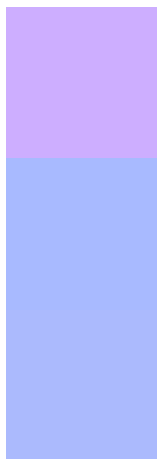


This preview shows how white text looks on a background with the XYZ color 58.3629, 50.4712,

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

58.3629, 50.4712, 101.2736

Protanopia

51.7574, 50.6626, 101.6587

Deuteranopia

52.0831, 50.8676, 100.0019



Tritanopia

50.1634, 50.4235, 61.1217

Trichromacy



Original Color

58.3629, 50.4712, 101.2736

Protanomaly

53.8340, 50.4997, 101.5178

Deuteranomaly

54.1458, 50.6789, 100.6942

Tritanomaly

52.8632, 50.3043, 73.9413

Monochromacy



Original Color

58.3629, 50.4712, 101.2736

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

52.9795, 51.9460, 72.2000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3629, 50.4712, 101.2736 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(205, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 174, 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(205, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 174, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.3629, 50.4712, 101.2736 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(205, 174, 255) }
```


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

```
.border{ border-color:rgb(205, 174, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 174,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3629, 50.4712, 101.2736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 174, 255) }
```

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

```
.background{ background-color: rgb(205,  
174, 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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