

Converting Colors

XYZ(65.9297, 53.6661,
101.4915)

Have a look what the booklet for
XYZ(65.9297, 53.6661, 101.4915)
contains.

XYZ(66.0812, 53.8809, 101.5249)	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(66.0812, 53.8809,
101.5249)**

Conversions

Conversions Part 1

Format	Color
Hex	E8ACFF
RGB	232, 172, 255
RGB Percent	91%, 67%, 100%
CMY	0.0902, 0.3255, 0.0000
CMYK	0.09, 0.33, 0.00, 0.00
HSL	283°, 100%, 84%
HSV	283°, 33%, 100%
XYZ	66.0812, 53.8809, 101.5249
YIQ	199.4020, 9.1170, 38.5330

Conversions

Conversions Part 2

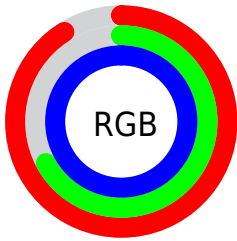
Format	Color
R _Y B	232, 172, 255
Decimal	15248639
CIE Lab	78.39, 36.08, -32.64
CIE LCh	78, 48.657, 317.864
Yxy	53.8809, 0.2984, 0.2433
Android (android.graphics.Color)	4293438719 (0xFFE8ACFF)
YUV	199.4020, 27.4098, 28.5884
Hunter-Lab	73.4036, 32.2373, -30.6218

Details

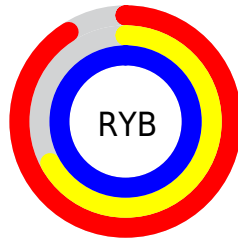
The XYZ color **66.0812, 53.8809, 101.5249** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **65.7134, 86.1013, 52.1881**, and the grayscale version is **54.3672, 57.1985, 62.2891**.

A 20% lighter version of the original color is **87.0334, 83.9668, 106.2278**, and **34.4691, 26.3848, 56.7021** is the 20% darker color. If you saturate the color by 10%, you get **59.4382, 43.9311, 99.9546**, and if you desaturate by 10%, it is **73.7507, 65.7449, 103.4107**.

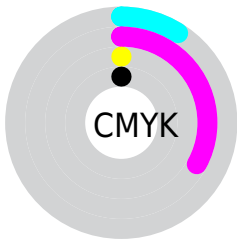
Distribution



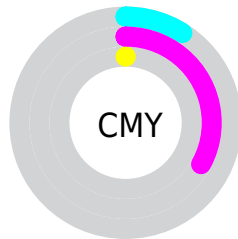
- Red (91%)
- Green (67%)
- Blue (100%)



- Red (91%)
- Yellow (67%)
- Blue (100%)



- Cyan (9%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.0812, 53.8809, 101.5249 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 66.0812, 53.8809, 101.5249 by changing the saturation by 10% instead.


 66.0812, 53.8809,
101.5249

 66.0812, 53.8809,
101.5249


436.1513,
401.6557, 586.3590

 48.6063, 38.5065,
76.9507


 112.6600, 95.8994,
165.3213

 34.5205, 26.3760,
56.7011

142.4945,
123.3121, 205.3805

 23.4585, 17.1051,
40.3575


177.1796,
155.5065, 251.4386

 15.0550, 10.3095,
27.5015

217.0806,
192.8668, 303.9139

 8.9446, 5.6046,
17.7145

262.5630,
235.7775, 363.2251

 4.7619, 2.6062,
10.5779

313.9920,

 2.1415, 0.9298,

284.6230, 429.7906

5.6732

371.7329,
339.7876, 504.0291

■ 0.7116, 0.0000,
2.5818

■ 0.0000, 0.0000,
0.8831

■ 66.0812, 53.8809,
101.5249

■ 66.0812, 53.8809,
101.5249

■ 59.4382, 43.9311,
99.9546

■ 73.7507, 65.7449,
103.4107

■ 53.7625, 35.7813,
98.6806

■ 82.4922, 79.6152,
105.6272

■ 48.9956, 29.3156,
97.6839

■ 92.3539, 95.5861,
108.1901

■ 45.0704, 24.4012,
96.9422

95.0500, 100.0000,
108.9000

■ 41.9096, 20.8852,
96.4301

■ 39.4197, 18.5823,
96.1168

■ 37.8984, 17.4522,
95.9789

Harmonies

Analogous

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



57.0577, 53.8809, 124.3550



66.0812, 53.8809, 101.5249



71.3572, 53.8809, 70.4400

Triad

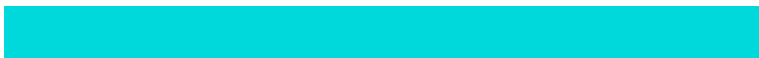
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.0812, 53.8809, 101.5249



55.1730, 53.8809, 20.7945



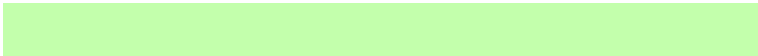
35.6394, 53.8809, 76.3344

Complementary

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



66.0812, 53.8809, 101.5249



65.7134, 86.1013, 52.1881

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.



35.2675, 53.8809, 48.2851



66.0812, 53.8809, 101.5249



45.7802, 53.8809, 21.4835

Square

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



66.0812, 53.8809, 101.5249



64.5545, 53.8809, 27.6581



38.7598, 53.8809, 29.9718



39.8479, 53.8809, 106.9787

Rectangle

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



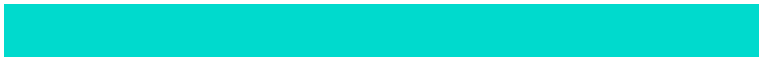
66.0812, 53.8809, 101.5249



71.6544, 53.8809, 51.7582



38.7598, 53.8809, 29.9718



35.0824, 53.8809, 66.1651

Sweetspot

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



66.0828, 53.8831, 101.5253



84.8958, 83.4801, 106.2465



54.6963, 55.2551, 102.3902



17.8854, 17.4081, 22.6674



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.



66.0828, 53.8831, 101.5253



61.6813, 47.2491, 100.4768



71.2822, 56.8825, 87.3568



18.2731, 18.0325, 22.7675



19.9548, 9.1976, 50.1582



2.0488, 0.9501, 4.8887

Inverse Universe

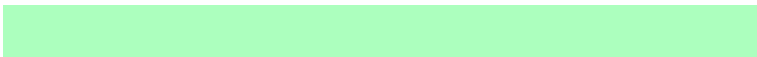
The Inverse Universe completely reimagines the original color for something new.



65.8442, 54.7073, 58.7209



61.6116, 48.3096, 50.9360



62.0673, 84.0084, 61.6519



18.2162, 18.0698, 19.7556



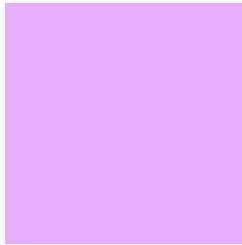
22.1913, 11.3658, 4.3919



2.2046, 1.1242, 0.6588

Previews

White Background



This preview shows how the XYZ color 66.0812, 53.8809, 101.5249 looks on a white background.

Color Contrast Check

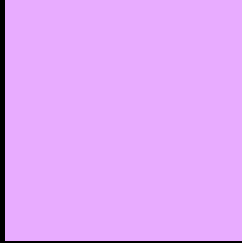
Large Text (above 18pt) WCAG AA × Fail

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 66.0812, 53.8809, 101.5249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

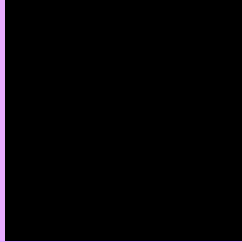
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.0812, 53.8809, 101.5249

Background



This preview shows how black text looks on a background with the XYZ color 66.0812, 53.8809, 101.5249.

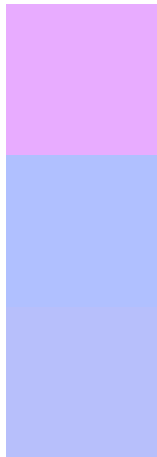


This preview shows how white text looks on a background with the XYZ color 66.0812, 53.8809,

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

66.0812, 53.8809, 101.5249

Protanopia

54.8041, 54.1494, 102.1711

Deuteranopia

55.5718, 54.2939, 98.8176



Tritanopia

57.5580, 53.6322, 60.7445

Trichromacy



Original Color

66.0812, 53.8809, 101.5249



Protanomaly

58.1639, 53.6537, 101.8984



Deuteranomaly

58.7986, 53.7268, 99.3667



Tritanomaly

60.2703, 53.5234, 74.1723

Monochromacy



Original Color

66.0812, 53.8809, 101.5249



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

57.8477, 55.3585, 74.6542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.0812, 53.8809, 101.5249 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(232, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 172, 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(232, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 172, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.0812, 53.8809, 101.5249 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(232, 172, 255) }
```


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

```
.border{ border-color:rgb(232, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 172, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 172, 255); box-shadow:4px 4px 4px 4px rgb(232, 172, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.0812, 53.8809, 101.5249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 172, 255) }
```

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

```
.background{ background-color: rgb(232,  
172, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor