

Converting Colors

XYZ(49.1551, 36.1788, 86.8305)

Have a look what the booklet for
XYZ(49.1551, 36.1788, 86.8305)
contains.

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Color

**XYZ(49.1551, 36.1788,
86.8305)**

Conversions

Conversions Part 1

Format	Color
Hex	CC86F0
RGB	204, 134, 240
RGB Percent	80%, 53%, 94%
CMY	0.2000, 0.4745, 0.0588
CMYK	0.15, 0.44, 0.00, 0.06
HSL	280°, 78%, 73%
HSV	280°, 44%, 94%
XYZ	49.1551, 36.1788, 86.8305
YIQ	167.0140, 7.6940, 47.8060

Conversions

Conversions Part 2

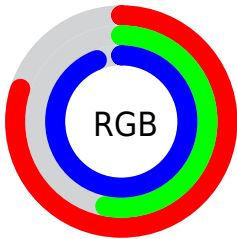
Format	Color
RYB	204, 134, 240
Decimal	13403888
CIELab	66.66, 45.06, -42.96
CIElCh	67, 62.257, 316.371
Yxy	36.1788, 0.2855, 0.2101
Android (android.graphics.Color)	4291593968 (0xFFCC86F0)
YUV	167.0140, 35.9821, 32.4367
Hunter-Lab	60.1488, 40.6142, -43.4865

Details

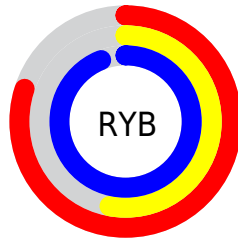
The XYZ color **49.1551, 36.1788, 86.8305** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **52.0417, 72.5882, 33.8237**, and the grayscale version is **36.5663, 38.4706, 41.8944**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **23.7773, 15.7494, 46.5865** is the 20% darker color. If you saturate the color by 10%, you get **44.0310, 29.1599, 85.7464**, and if you desaturate by 10%, it is **55.1514, 44.7662, 88.1726**.

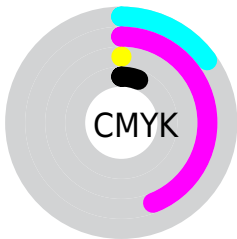
Distribution



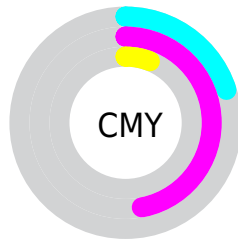
- Red (80%)
- Green (53%)
- Blue (94%)



- Red (80%)
- Yellow (53%)
- Blue (94%)



- Cyan (15%)
- Magenta (44%)
- Yellow (0%)
- Black (6%)





- Cyan (20%)
- Magenta (47%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1551, 36.1788, 86.8305 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 49.1551, 36.1788, 86.8305 by changing the saturation by 10% instead.

 49.1551, 36.1788,
86.8305


 49.1551, 36.1788,
86.8305


373.8594,
329.7414, 537.9675


 34.9576, 24.5723,
64.7961


 88.1211, 69.3079,
144.8246

 23.7966, 15.7587,
46.8455


 113.6203, 91.5994,
181.6215

 15.3067, 9.3536,
32.5601


 143.6174,
118.2213, 224.1762

 9.1226, 4.9725,
21.5213

178.4778,
149.5581, 272.9074

 4.8790, 2.2311,
13.3106

218.5669,
185.9940, 328.2336

 2.2105, 0.7369,
7.5096

264.2499,

 0.7482, 0.0000,

227.9137, 390.5733

3.6995

315.8923,
275.7013, 460.3451

■ 0.0000, 0.0000,
1.4620

■ 0.0000, 0.0000,
0.1894

■ 49.1551, 36.1788,
86.8305

■ 49.1551, 36.1788,
86.8305

■ 44.0310, 29.1599,
85.7464

■ 55.1514, 44.7662,
88.1726

■ 39.7217, 23.6009,
84.9005


■ 62.0644, 55.0120,
89.7859


■ 36.1688, 19.3863,
84.2743


■ 69.9400, 67.0044,
91.6855


■ 33.3031, 16.3806,
83.8451


■ 78.8198, 80.8240,
93.8850

 31.0405, 14.4182,
83.5856

 88.7428, 96.5464,
96.3967

 29.9259, 13.6104,
83.4884

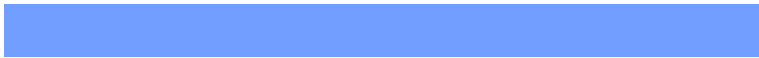
 91.9626, 98.6766,
96.6382

 92.7283, 99.0713,
96.6740

Harmonies

Analogous

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



39.7223, 36.1788, 112.5894



49.1551, 36.1788, 86.8305



55.0496, 36.1788, 52.8525

Triad

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



49.1551, 36.1788, 86.8305



38.8117, 36.1788, 7.5061



19.8288, 36.1788, 55.8097

Complementary

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



49.1551, 36.1788, 86.8305



52.0417, 72.5882, 33.8237

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.



19.6745, 36.1788, 28.4370



49.1551, 36.1788, 86.8305



29.5520, 36.1788, 7.7199

Square

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



49.1551, 36.1788, 86.8305



48.3849, 36.1788, 12.5944



22.9194, 36.1788, 13.4293



23.3882, 36.1788, 89.8239

Rectangle

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



49.1551, 36.1788, 86.8305



55.5936, 36.1788, 33.9366



22.9194, 36.1788, 13.4293



19.4026, 36.1788, 45.4040

Sweetspot

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



49.1564, 36.1803, 86.8313



81.3501, 78.5698, 105.4856



40.1428, 40.5246, 88.1449



16.9568, 16.1157, 22.4669



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.



49.1564, 36.1803, 86.8313



51.0714, 34.1869, 98.5147



57.9293, 40.9640, 75.4466



15.9026, 15.7470, 19.9229



16.5295, 7.5267, 45.7095



1.4809, 0.6807, 3.8076

Inverse Universe

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



51.7170, 38.4790, 42.7328



54.7984, 37.4009, 40.2869



46.4897, 69.5882, 39.7950



15.9943, 15.8474, 17.5262



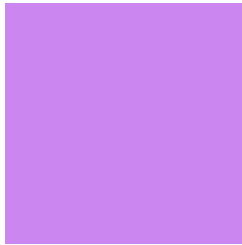
20.5507, 10.4927, 5.5507



1.7545, 0.8908, 0.6979

Previews

White Background



This preview shows how the XYZ color 49.1551, 36.1788, 86.8305 looks on a white background.

Color Contrast Check

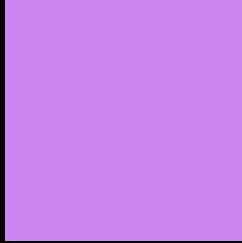
Large Text (above 18pt) WCAG AA × Fail

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 49.1551, 36.1788, 86.8305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

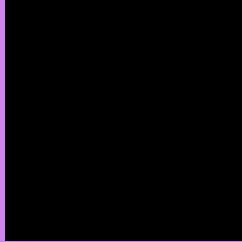
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1551, 36.1788, 86.8305

Background



This preview shows how black text looks on a background with the XYZ color 49.1551, 36.1788, 86.8305.

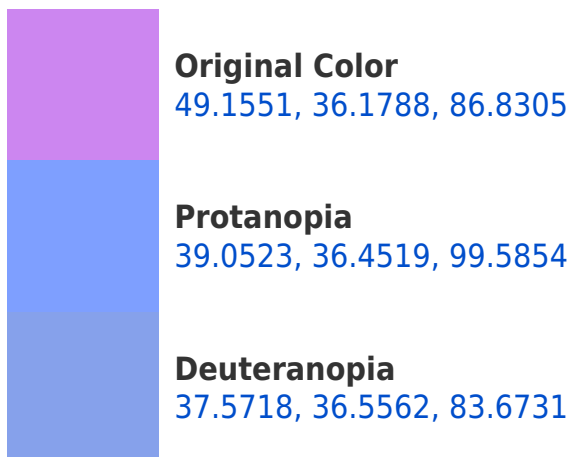


This preview shows how white text looks on a background with the XYZ color 49.1551, 36.1788,

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





Tritanopia

39.4157, 35.9840, 39.5185

Trichromacy



Original Color

49.1551, 36.1788, 86.8305



Protanomaly

41.4881, 35.5848, 95.1244



Deuteranomaly

40.6507, 35.6186, 84.8533



Tritanomaly

42.2943, 35.7481, 53.9611

Monochromacy



Original Color

49.1551, 36.1788, 86.8305



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

40.2813, 37.0410, 56.0655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1551, 36.1788, 86.8305 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(204, 134, 240)` looks like.

```
.text, #text, p{  
    color:rgb(204, 134, 240)  
}
```

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(204, 134, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 134, 240) }
```

Border

The CSS property to change the border of an element to XYZ 49.1551, 36.1788, 86.8305 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(204, 134, 240) }
```


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

```
.border{ border-color:rgb(204, 134, 240) }
```

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

Here you see how a box with a 4 pixel rgb(204, 134, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 134, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 134, 240);  
box-shadow:4px 4px 4px 4px rgb(204, 134,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1551, 36.1788, 86.8305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 134, 240) }
```

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

```
.background{ background-color: rgb(204,  
134, 240) }
```

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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