

Converting Colors

XYZ(58.9900, 47.7689,
100.7189)

Have a look what the booklet for
XYZ(58.9900, 47.7689, 100.7189)
contains.

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Color

**XYZ(58.8787, 47.7105,
100.7135)**

Conversions

Conversions Part 1

Format	Color
Hex	D6A3FF
RGB	214, 163, 255
RGB Percent	84%, 64%, 100%
CMY	0.1608, 0.3608, 0.0000
CMYK	0.16, 0.36, 0.00, 0.00
HSL	273°, 100%, 82%
HSV	273°, 36%, 100%
XYZ	58.8787, 47.7105, 100.7135
YIQ	188.7370, 0.8640, 39.4240

Conversions

Conversions Part 2

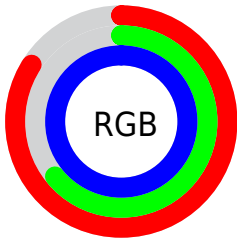
Format	Color
RYB	214, 163, 255
Decimal	14066687
CIELab	74.64, 35.53, -38.59
CIELCh	75, 52.455, 312.638
Yxy	47.7105, 0.2840, 0.2301
Android (android.graphics.Color)	4292256767 (0xFFD6A3FF)
YUV	188.7370, 32.6677, 22.1557
Hunter-Lab	69.0728, 31.2787, -38.0985

Details

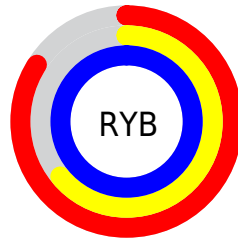
The XYZ color **58.8787, 47.7105, 100.7135** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **67.2736, 87.0021, 47.8997**, and the grayscale version is **48.0400, 50.5419, 55.0401**.

A 20% lighter version of the original color is **84.3614, 78.6228, 105.3371**, and **29.8695, 22.4982, 56.1944** is the 20% darker color. If you saturate the color by 10%, you get **51.5977, 37.9008, 99.2038**, and if you desaturate by 10%, it is **67.3068, 59.4688, 102.5389**.

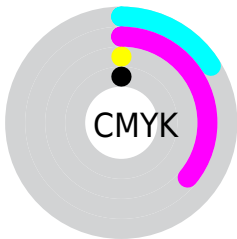
Distribution



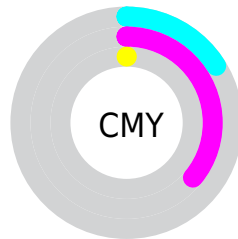
- Red (84%)
- Green (64%)
- Blue (100%)



- Red (84%)
- Yellow (64%)
- Blue (100%)



- Cyan (16%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.8787, 47.7105, 100.7135 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 58.8787, 47.7105, 100.7135 by changing the saturation by 10% instead.


 58.8787, 47.7105,
100.7135


 58.8787, 47.7105,
100.7135


410.3535,
377.6435, 583.7440

 42.7615, 33.5977,
76.2763


 102.3170, 86.7732,
164.1978

 29.8917, 22.5847,
56.1511


 130.3688,
112.4919, 204.0820

 19.9041, 14.2872,
39.9193

163.1294,
142.8480, 249.9522

 12.4332, 8.3207,
27.1623

200.9643,
178.2259, 302.2272

 7.1137, 4.3008,
17.4616

244.2388,
219.0100, 361.3253

 3.5803, 1.8432,
10.3988

293.3183,

 1.4675, 0.5139,

265.5847, 427.6651

5.5551

348.5681,
318.3344, 501.6651

■ 0.3036, 0.0000,
2.5121

■ 0.0000, 0.0000,
0.8466

■ 58.8787, 47.7105,
100.7135

■ 58.8787, 47.7105,
100.7135

■ 51.5977, 37.9008,
99.2038

■ 67.3068, 59.4688,
102.5389

■ 45.3996, 29.9213,
97.9903

■ 76.9327, 73.2735,
104.6961

■ 40.2197, 23.6489,
97.0526

■ 87.8092, 89.2224,
107.2013

■ 35.9840, 18.9429,
96.3675

95.0500, 100.0000,
108.9000

■ 32.6062, 15.6384,
95.9077

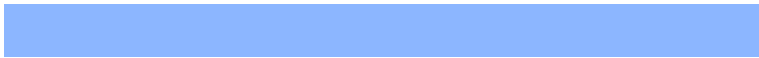
■ 29.9804, 13.5315,
95.6394

■ 29.0958, 12.9143,
95.5669

Harmonies

Analogous

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



49.4622, 47.7105, 121.5326



58.8787, 47.7105, 100.7135



65.1094, 47.7105, 69.1736

Triad

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



58.8787, 47.7105, 100.7135



51.0190, 47.7105, 16.3087



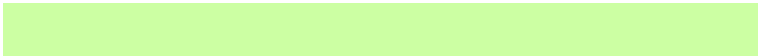
29.7579, 47.7105, 64.2547

Complementary

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



58.8787, 47.7105, 100.7135



67.2736, 87.0021, 47.8997

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.



30.0531, 47.7105, 37.8505



58.8787, 47.7105, 100.7135



41.4674, 47.7105, 15.7987

Square

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



58.8787, 47.7105, 100.7135



60.1547, 47.7105, 23.9613



34.0664, 47.7105, 22.1871



33.1943, 47.7105, 96.0476

Rectangle

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



58.8787, 47.7105, 100.7135



66.1494, 47.7105, 49.5779



34.0664, 47.7105, 22.1871



29.4395, 47.7105, 54.3938

Sweetspot

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



58.8802, 47.7124, 100.7138



82.2951, 81.0966, 105.9235



54.8438, 58.3842, 102.9865



17.3012, 16.8991, 22.5999



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.



58.8802, 47.7124, 100.7138



53.7200, 40.7190, 99.6359



71.6561, 54.3832, 97.4922



17.9660, 17.8742, 22.7531



15.3777, 6.8380, 49.9440



1.6230, 0.7306, 4.8688

Inverse Universe

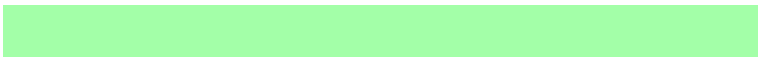
The Inverse Universe completely reimagines the original color for something new.



65.2373, 51.8156, 63.6910



61.1808, 45.5227, 56.7279



57.8962, 82.1194, 49.6519



18.3458, 18.1216, 20.4380



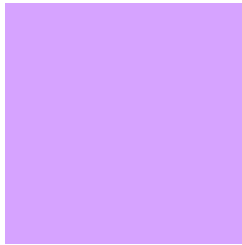
23.1976, 11.7683, 9.6912



2.3127, 1.1674, 1.2280

Previews

White Background



This preview shows how the XYZ color 58.8787, 47.7105, 100.7135 looks on a white background.

Color Contrast Check

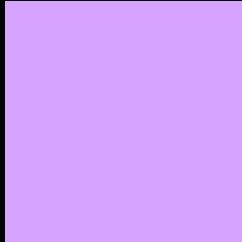
Large Text (above 18pt) WCAG AA × Fail

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 58.8787, 47.7105, 100.7135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

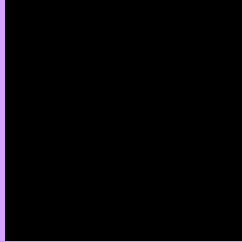
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.8787, 47.7105, 100.7135

Background



This preview shows how black text looks on a background with the XYZ color 58.8787, 47.7105, 100.7135.



This preview shows how white text looks on a background with the XYZ color 58.8787, 47.7105,

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

58.8787, 47.7105, 100.7135

Protanopia

49.2718, 47.8448, 101.2458

Deuteranopia

49.0407, 47.7993, 97.9083



Tritanopia

49.4482, 47.4649, 55.2706

Trichromacy



Original Color

58.8787, 47.7105, 100.7135



Protanomaly

52.0084, 47.1954, 100.9762



Deuteranomaly

51.9981, 47.2455, 98.4741

Tritanomaly

52.4326, 47.2463, 69.9743

Monochromacy



Original Color

58.8787, 47.7105, 100.7135



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

51.6202, 49.4524, 69.7754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8787, 47.7105, 100.7135 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(214, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 163, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.8787, 47.7105, 100.7135 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(214, 163, 255) }
```


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

```
.border{ border-color:rgb(214, 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(214, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 163,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8787, 47.7105, 100.7135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 163, 255) }
```

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

```
.background{ background-color: rgb(214,  
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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