

Converting Colors

XYZ(47.3636, 33.6952, 98.6152)

Have a look what the booklet for
XYZ(47.3636, 33.6952, 98.6152)
contains.

XYZ(47.5074, 33.8648, 98.6404)	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(47.5074, 33.8648,
98.6404)**

Conversions

Conversions Part 1

Format	Color
Hex	C080FF
RGB	192, 128, 255
RGB Percent	75%, 50%, 100%
CMY	0.2470, 0.4980, 0.0000
CMYK	0.25, 0.50, 0.00, 0.00
HSL	270°, 100%, 75%
HSV	270°, 50%, 100%
XYZ	47.5074, 33.8648, 98.6404
YIQ	161.6140, -2.6230, 53.0650

Conversions

Conversions Part 2

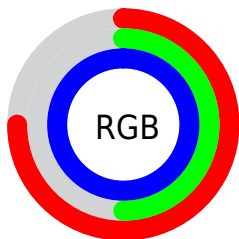
Format	Color
RYB	192, 128, 255
Decimal	12615935
CIELab	64.86, 48.29, -54.12
CIElCh	65, 72.530, 311.745
Yxy	33.8648, 0.2639, 0.1881
Android (android.graphics.Color)	4290806015 (0xFFC080FF)
YUV	161.6140, 46.0393, 26.6485
Hunter-Lab	58.1935, 43.8835, -59.7636

Details

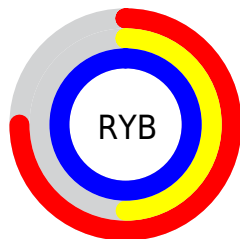
The XYZ color **47.5074, 33.8648, 98.6404** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **61.1424, 84.1550, 33.4442**, and the grayscale version is **33.9562, 35.7246, 38.9040**.

A 20% lighter version of the original color is **74.5616, 61.1851, 102.4878**, and **22.7692, 14.3970, 55.0049** is the 20% darker color. If you saturate the color by 10%, you get **41.5233, 26.4479, 97.5242**, and if you desaturate by 10%, it is **54.6048, 43.0973, 100.0484**.

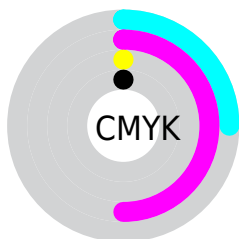
Distribution



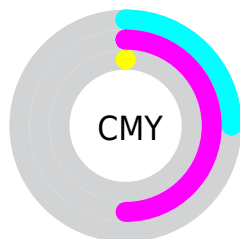
- Red (75%)
- Green (50%)
- Blue (100%)



- Red (75%)
- Yellow (50%)
- Blue (100%)



- Cyan (25%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5074, 33.8648, 98.6404 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 47.5074, 33.8648, 98.6404 by changing the saturation by 10% instead.


 47.5074, 33.8648,
98.6404

 47.5074, 33.8648,
98.6404


367.4514,
319.5288, 577.0342


 33.6466, 22.7898,
74.5550


 85.6847, 65.7234,
161.3231

 22.7838, 14.4383,
54.7489


 110.7318, 87.2757,
200.7574

 14.5538, 8.4262,
38.8035


 140.2385,
113.0892, 246.1452

 8.5911, 4.3688,
26.3002

174.5699,
143.5483, 297.9050

 4.5304, 1.8819,
16.8206

214.0916,
179.0375, 356.4552

 2.0064, 0.5375,
9.9461

259.1689,

 0.6375, 0.0000,

219.9410, 422.2144

5.2581

310.1670,
266.6433, 495.6013

■ 0.0000, 0.0000,
2.3381

■ 0.0000, 0.0000,
0.7524

■ 47.5074, 33.8648,
98.6404

■ 47.5074, 33.8648,
98.6404

■ 41.5233, 26.4479,
97.5242

■ 54.6048, 43.0973,
100.0484

■ 36.5781, 20.7116,
96.6776

■ 62.8758, 54.2595,
101.7670

■ 32.5929, 16.5073,
96.0761

■ 72.3801, 67.4603,
103.8140

■ 29.4731, 13.6573,
95.6905

■ 83.1721, 82.7991,
106.2059

■ 27.0718, 11.8790, 95.0500, 100.0000,
95.4738 108.9000

■ 27.0285, 11.8486,
95.4702

Harmonies

Analogous

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



36.4539, 33.8648, 126.7979



47.5074, 33.8648, 98.6404



55.2924, 33.8648, 57.9989

Triad

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



47.5074, 33.8648, 98.6404



38.9017, 33.8648, 4.7743



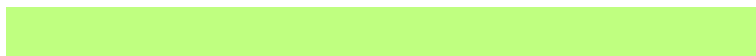
16.2490, 33.8648, 49.8731

Complementary

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



47.5074, 33.8648, 98.6404



61.1424, 84.1550, 33.4442

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.



16.6263, 33.8648, 21.6234



47.5074, 33.8648, 98.6404



28.2676, 33.8648, 4.3543

Square

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



47.5074, 33.8648, 98.6404



49.6300, 33.8648, 10.2948



20.5756, 33.8648, 8.4442



19.4013, 33.8648, 90.0005

Rectangle

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



47.5074, 33.8648, 98.6404



56.7421, 33.8648, 35.1478



20.5756, 33.8648, 8.4442



15.9895, 33.8648, 38.6537

Sweetspot

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



47.5086, 33.8661, 98.6406



77.3992, 74.5542, 104.9188



45.6930, 49.2902, 101.7134



16.0871, 15.2780, 22.3510



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.



47.5086, 33.8661, 98.6406



41.4159, 26.3189, 97.5049



67.0096, 43.9192, 99.5532



17.8755, 17.8275, 22.7489



14.2955, 6.2801, 49.8933



1.5179, 0.6764, 4.8638

Inverse Universe

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



58.3636, 40.4608, 54.0239



54.0168, 33.9729, 45.7751



48.5591, 77.6680, 32.8553



18.3851, 18.1373, 20.6450



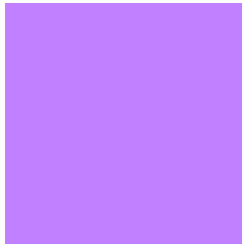
23.6084, 11.9327, 11.8544



2.3537, 1.1839, 1.4443

Previews

White Background



This preview shows how the XYZ color 47.5074, 33.8648, 98.6404 looks on a white background.

Color Contrast Check

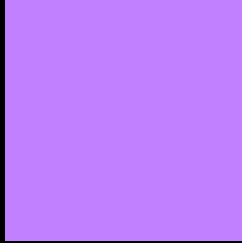
Large Text (above 18pt) WCAG AA × Fail

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 47.5074, 33.8648, 98.6404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

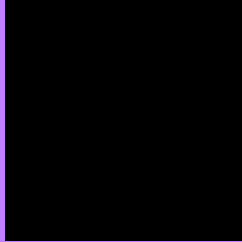
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5074, 33.8648, 98.6404

Background



This preview shows how black text looks on a background with the XYZ color 47.5074, 33.8648, 98.6404.



This preview shows how white text looks on a background with the XYZ color 47.5074, 33.8648,

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

47.5074, 33.8648, 98.6404

Protanopia

36.9417, 34.1131, 99.2452

Deuteranopia

35.3891, 34.4191, 94.4009



Tritanopia

35.3324, 33.6514, 38.8156

Trichromacy



Original Color

47.5074, 33.8648, 98.6404

Protanomaly

39.6770, 33.4001, 98.9634

Deuteranomaly

38.3275, 33.2357, 95.6618

Tritanomaly

38.9282, 33.2766, 56.5958

Monochromacy



Original Color

47.5074, 33.8648, 98.6404

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

38.1037, 34.6825, 56.9107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5074, 33.8648, 98.6404 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(192, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 128, 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(192, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 128, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.5074, 33.8648, 98.6404 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(192, 128, 255) }
```


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

```
.border{ border-color:rgb(192, 128, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 128,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5074, 33.8648, 98.6404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 128, 255) }
```

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

```
.background{ background-color: rgb(192,  
128, 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