

Converting Colors

XYZ(46.9358, 32.5086, 98.4087)

Have a look what the booklet for
XYZ(46.9358, 32.5086, 98.4087)
contains.

XYZ(47.0019, 32.4765, 98.3991)	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(47.0019, 32.4765,
98.3991)**

Conversions

Conversions Part 1

Format	Color
Hex	C17AFF
RGB	193, 122, 255
RGB Percent	76%, 48%, 100%
CMY	0.2431, 0.5216, 0.0000
CMYK	0.24, 0.52, 0.00, 0.00
HSL	272°, 100%, 74%
HSV	272°, 52%, 100%
XYZ	47.0019, 32.4765, 98.3991
YIQ	158.3910, -0.3770, 56.4150

Conversions

Conversions Part 2

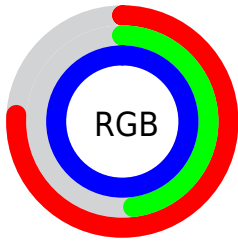
Format	Color
R_{YB}	193, 122, 255
Decimal	12679935
CIE _{Lab}	63.73, 51.71, -55.89
CIE _{LCh}	64, 76.141, 312.775
Yxy	32.4765, 0.2642, 0.1826
Android (android.graphics.Color)	4290870015 (0xFFC17AFF)
YUV	158.3910, 47.6282, 30.3521
Hunter-Lab	56.9882, 47.4915, -62.4819

Details

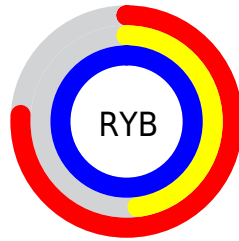
The XYZ color **47.0019, 32.4765, 98.3991** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **59.0402, 83.1155, 31.3445**, and the grayscale version is **32.4685, 34.1594, 37.1996**.

A 20% lighter version of the original color is **73.7202, 58.9661, 102.1039**, and **22.5365, 13.6918, 54.8811** is the 20% darker color. If you saturate the color by 10%, you get **41.3623, 25.5157, 97.3527**, and if you desaturate by 10%, it is **53.7087, 41.2078, 99.7309**.

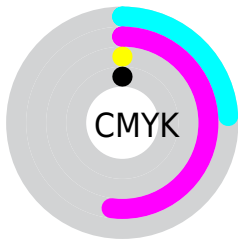
Distribution



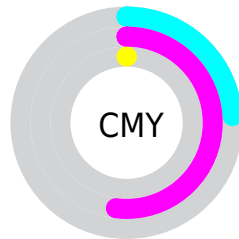
- Red (76%)
- Green (48%)
- Blue (100%)



- Red (76%)
- Yellow (48%)
- Blue (100%)



- Cyan (24%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (24%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0019, 32.4765, 98.3991 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 47.0019, 32.4765, 98.3991 by changing the saturation by 10% instead.


 47.0019, 32.4765,
98.3991


 47.0019, 32.4765,
98.3991

365.4709,
313.2842, 576.2505


 33.2451, 21.7257,
74.3548


 84.9352, 63.5573,
160.9881

 22.4744, 13.6555,
54.5859

 109.8424, 84.6562,
200.3698

 14.3245, 7.8815,
38.6740

 139.1971,
109.9732, 245.7012

 8.4299, 4.0192,
26.2003

173.3647,
139.8927, 297.4007

 4.4253, 1.6843,
16.7464

212.7105,
174.7992, 355.8868

 1.9455, 0.4135,
9.8938

257.5999,

 0.6031, 0.0000,

215.0770, 421.5781

5.2239

308.3983,
261.1105, 494.8932

■ 0.0000, 0.0000,
2.3182

■ 0.0000, 0.0000,
0.7414

■ 47.0019, 32.4765,
98.3991

■ 47.0019, 32.4765,
98.3991

■ 41.3623, 25.5157,
97.3527

■ 53.7087, 41.2078,
99.7309

■ 36.7149, 20.1873,
96.5692

■ 61.5432, 51.8259,
101.3675

■ 32.9793, 16.3380,
96.0231

■ 70.5652, 64.4413,
103.3270

■ 30.0578, 13.7817,
95.6836

■ 80.8289, 79.1548,
105.6260

■ 28.2247, 12.4653,
95.5262

■ 92.3849, 96.0600,
108.2800

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



35.6303, 32.4765, 129.1860



47.0019, 32.4765, 98.3991



54.9025, 32.4765, 55.7701

Triad

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



47.0019, 32.4765, 98.3991



37.3505, 32.4765, 3.6944



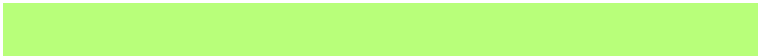
14.8716, 32.4765, 50.0095

Complementary

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



47.0019, 32.4765, 98.3991



59.0402, 83.1155, 31.3445

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.



15.1265, 32.4765, 20.6600



47.0019, 32.4765, 98.3991



26.5501, 32.4765, 3.4386

Square

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



47.0019, 32.4765, 98.3991



48.5087, 32.4765, 8.5862



18.9264, 32.4765, 7.3908



18.1250, 32.4765, 92.1536

Rectangle

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



47.0019, 32.4765, 98.3991



56.2285, 32.4765, 32.5925



18.9264, 32.4765, 7.3908



14.5763, 32.4765, 38.2828

Sweetspot

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



47.0031, 32.4777, 98.3992



76.7330, 73.2441, 104.7010



43.2312, 45.6672, 101.1439



15.9712, 15.0279, 22.3089



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.



47.0031, 32.4777, 98.3992



40.9326, 25.0046, 97.2767



65.5443, 42.1176, 95.5841



17.9291, 17.8552, 22.7514



14.9222, 6.6031, 49.9226



1.5791, 0.7080, 4.8667

Inverse Universe

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



56.8516, 38.6405, 49.8092



52.4576, 32.2013, 41.1036



47.5806, 77.1754, 32.2752



18.3617, 18.1280, 20.5220



23.3583, 11.8326, 10.5374



2.3289, 1.1739, 1.3133

Previews

White Background



This preview shows how the XYZ color 47.0019, 32.4765, 98.3991 looks on a white background.

Color Contrast Check

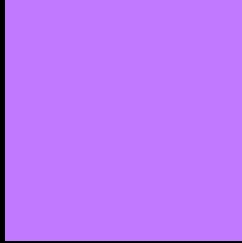
Large Text (above 18pt) WCAG AA × Fail

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 47.0019, 32.4765, 98.3991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

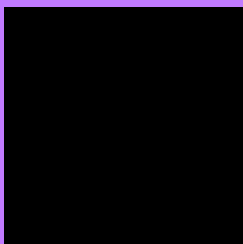
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0019, 32.4765, 98.3991

Background



This preview shows how black text looks on a background with the XYZ color 47.0019, 32.4765, 98.3991.



This preview shows how white text looks on a background with the XYZ color 47.0019, 32.4765,

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

47.0019, 32.4765, 98.3991

Protanopia

35.6722, 32.7327, 99.0457

Deuteranopia

33.8102, 32.8726, 93.3700



Tritanopia

34.3549, 32.2565, 36.7632

Trichromacy



Original Color

47.0019, 32.4765, 98.3991



Protanomaly

38.4126, 31.6389, 98.6901



Deuteranomaly

36.9079, 31.5965, 95.4203



Tritanomaly

37.8627, 31.6867, 54.5726

Monochromacy



Original Color

47.0019, 32.4765, 98.3991



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

36.5456, 32.7590, 54.8490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0019, 32.4765, 98.3991 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(193, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 122, 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(193, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 122, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.0019, 32.4765, 98.3991 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(193, 122, 255) }
```


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

```
.border{ border-color:rgb(193, 122, 255) }
```

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

Here you see how a box with a 4 pixel rgb(193, 122, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 122,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0019, 32.4765, 98.3991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 122, 255) }
```

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

```
.background{ background-color: rgb(193,  
122, 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