

Converting Colors

XYZ(45.1603, 32.2800, 98.4582)

Have a look what the booklet for
XYZ(45.1603, 32.2800, 98.4582)
contains.

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Color

**XYZ(45.0393, 32.2090,
98.4509)**

Conversions

Conversions Part 1

Format	Color
Hex	B77EFF
RGB	183, 126, 255
RGB Percent	72%, 49%, 100%
CMY	0.2823, 0.5059, 0.0000
CMYK	0.28, 0.51, 0.00, 0.00
HSL	267°, 100%, 75%
HSV	267°, 51%, 100%
XYZ	45.0393, 32.2090, 98.4509
YIQ	157.7490, -7.4370, 52.2030

Conversions

Conversions Part 2

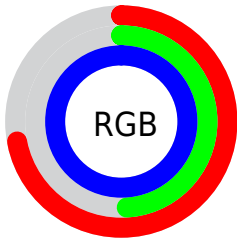
Format	Color
RYB	183, 126, 255
Decimal	12025599
CIELab	63.52, 47.07, -56.30
CIELCh	64, 73.388, 309.899
Yxy	32.2090, 0.2563, 0.1833
Android (android.graphics.Color)	4290215679 (0xFFB77EFF)
YUV	157.7490, 47.9447, 22.1451
Hunter-Lab	56.7530, 42.3403, -63.1249

Details

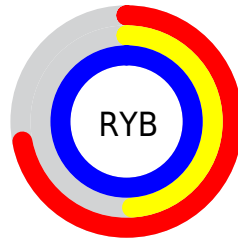
The XYZ color **45.0393, 32.2090, 98.4509** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **62.8147, 85.0322, 32.8419**, and the grayscale version is **32.1792, 33.8551, 36.8682**.

A 20% lighter version of the original color is **70.9892, 58.7398, 102.2041**, and **21.3133, 13.5450, 54.9172** is the 20% darker color. If you saturate the color by 10%, you get **38.9687, 24.8409, 97.3486**, and if you desaturate by 10%, it is **52.2854, 41.4176, 99.8464**.

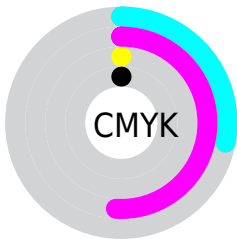
Distribution



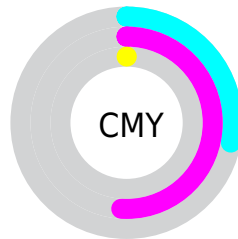
- Red (72%)
- Green (49%)
- Blue (100%)



- Red (72%)
- Yellow (49%)
- Blue (100%)



- Cyan (28%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0393, 32.2090, 98.4509 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 45.0393, 32.2090, 98.4509 by changing the saturation by 10% instead.


 45.0393, 32.2090,
98.4509


 45.0393, 32.2090,
98.4509

357.7137,
312.0702, 576.4188


 31.6898, 21.5212,
74.3978


 82.0161, 63.1386,
161.0600

 21.2791, 13.5055,
54.6209


 106.3741, 84.1492,
200.4531

 13.4418, 7.7776,
38.7018


 135.1323,
109.3694, 245.7965

 7.8125, 3.9529,
26.2217

168.6560,
139.1838, 297.5089

 4.0260, 1.6473,
16.7623

207.3107,
173.9767, 356.0088

 1.7169, 0.3892,
9.9050

251.4616,

 0.4668, 0.0000,

214.1324, 421.7148

5.2313

301.4742,
260.0355, 495.0452

■ 0.0000, 0.0000,
2.3225

■ 0.0000, 0.0000,
0.7438

■ 45.0393, 32.2090,
98.4509

■ 45.0393, 32.2090,
98.4509

■ 38.9687, 24.8409,
97.3486

■ 52.2854, 41.4176,
99.8464

■ 33.9955, 19.1756,
96.5172

■ 60.7709, 52.5836,
101.5544

■ 30.0364, 15.0611,
95.9317

■ 70.5588, 65.8178,
103.5930

■ 26.9919, 12.3147,
95.5621

■ 81.7064, 81.2219,
105.9787

■ 24.8186, 10.7094,
95.3668

94.2676, 98.8905,
108.7271

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.



34.1202, 32.2090, 124.9516



45.0393, 32.2090, 98.4509



53.0433, 32.2090, 58.2057

Triad

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



45.0393, 32.2090, 98.4509



37.8819, 32.2090, 4.3132



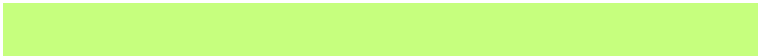
15.0402, 32.2090, 45.6699

Complementary

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



45.0393, 32.2090, 98.4509



62.8147, 85.0322, 32.8419

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.



15.6109, 32.2090, 19.0566



45.0393, 32.2090, 98.4509



27.3561, 32.2090, 3.7033

Square

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



45.0393, 32.2090, 98.4509



48.3145, 32.2090, 9.9293



19.6530, 32.2090, 7.1779



17.8695, 32.2090, 85.0189

Rectangle

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



45.0393, 32.2090, 98.4509



54.7902, 32.2090, 35.1700



19.6530, 32.2090, 7.1779



14.8587, 32.2090, 34.9705

Sweetspot

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



45.0405, 32.2102, 98.4510



76.6159, 74.1504, 104.8821



47.1014, 52.5493, 102.2683



15.8990, 15.1810, 22.3422



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.



45.0405, 32.2102, 98.4510



38.7421, 24.5742, 97.3091



63.6578, 41.8078, 99.3223



17.7648, 17.7705, 22.7437



13.1333, 5.6810, 49.8389



1.4018, 0.6166, 4.8584

Inverse Universe

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



58.8943, 40.2597, 58.0927



54.6359, 33.8257, 50.2525



49.4540, 78.1444, 32.2166



18.4339, 18.1569, 20.9019



24.1891, 12.1649, 14.9120



2.4102, 1.2065, 1.7415

Previews

White Background



This preview shows how the XYZ color 45.0393, 32.2090, 98.4509 looks on a white background.

Color Contrast Check

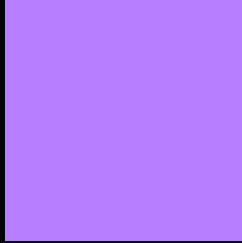
Large Text (above 18pt) WCAG AA × Fail

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 45.0393, 32.2090, 98.4509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

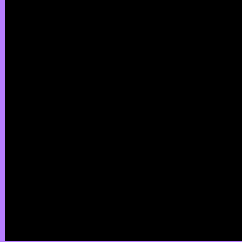
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.0393, 32.2090, 98.4509

Background



This preview shows how black text looks on a background with the XYZ color 45.0393, 32.2090, 98.4509.

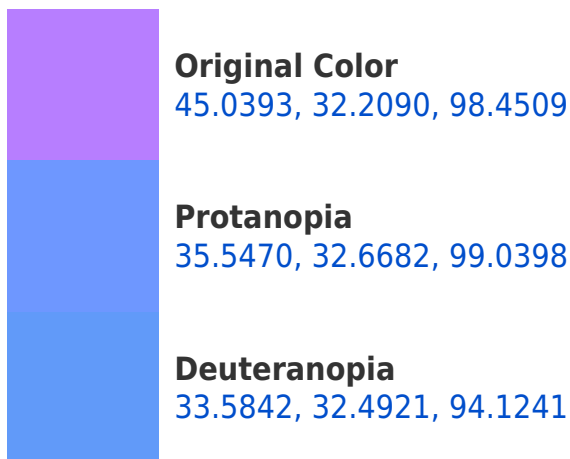


This preview shows how white text looks on a background with the XYZ color 45.0393, 32.2090,

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

32.9064, 32.1751, 38.1943

Trichromacy



Original Color

45.0393, 32.2090, 98.4509



Protanomaly

38.0395, 31.8844, 98.7571



Deuteranomaly

36.2879, 31.5007, 95.4345



Tritanomaly

36.3885, 31.7605, 55.8423

Monochromacy



Original Color

45.0393, 32.2090, 98.4509



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

35.8409, 32.6235, 54.8600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0393, 32.2090, 98.4509 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(183, 126, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 126, 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(183, 126, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 126, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.0393, 32.2090, 98.4509 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(183, 126, 255) }
```


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

```
.border{ border-color:rgb(183, 126, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 126, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 126, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 126, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 126,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0393, 32.2090, 98.4509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 126, 255) }
```

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

```
.background{ background-color: rgb(183,  
126, 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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