

Converting Colors

XYZ(26.6493, 22.0133, 45.0747)

Have a look what the booklet for
XYZ(26.6493, 22.0133, 45.0747)
contains.

XYZ(26.6757, 22.0947, 44.9782)	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(26.6757, 22.0947,
44.9782)**

Conversions

Conversions Part 1

Format	Color
Hex	9574B2
RGB	149, 116, 178
RGB Percent	58%, 45%, 70%
CMY	0.4157, 0.5451, 0.3020
CMYK	0.16, 0.35, 0.00, 0.30
HSL	272°, 29%, 58%
HSV	272°, 35%, 70%
XYZ	26.6757, 22.0947, 44.9782
YIQ	132.9350, -0.2340, 26.2780

Conversions

Conversions Part 2

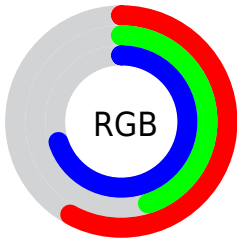
Format	Color
R_{YB}	149, 116, 178
Decimal	9794738
CIE _{Lab}	54.13, 25.09, -28.04
CIE _{LCh}	54, 37.628, 311.820
Yxy	22.0947, 0.2845, 0.2357
Android (android.graphics.Color)	4287984818 (0xFF9574B2)
YUV	132.9350, 22.2170, 14.0890
Hunter-Lab	47.0050, 19.0414, -23.8300

Details

The XYZ color **26.6757, 22.0947, 44.9782** is a light color, and the websafe version is hex **996699**. A complement of this color would be **30.7505, 39.1220, 22.4545**, and the grayscale version is **22.1932, 23.3489, 25.4270**.

A 20% lighter version of the original color is **53.7558, 46.7831, 84.0387**, and **10.6386, 8.0364, 20.3925** is the 20% darker color. If you saturate the color by 10%, you get **23.3521, 17.6221, 44.2904**, and if you desaturate by 10%, it is **30.5025, 27.4113, 45.8031**.

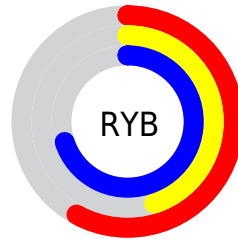
Distribution



Red (58%)

Green (45%)

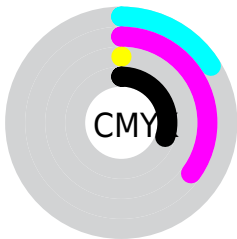
Blue (70%)



Red (58%)

Yellow (45%)

Blue (70%)

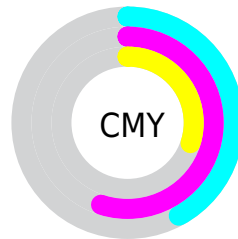


Cyan (16%)

Magenta (35%)

Yellow (0%)

Black (30%)



Cyan (42%)

Magenta (55%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.6757, 22.0947, 44.9782 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 26.6757, 22.0947, 44.9782 by changing the saturation by 10% instead.

■ 26.6757, 22.0947,
44.9782

■ 26.6757, 22.0947,
44.9782

278.2797,
263.0404, 382.8428

■ 17.4651, 13.9265,
31.0974

■ 53.7866, 46.9025,
84.0058

■ 10.6640, 8.0696,
20.4140

■ 72.4176, 64.3108,
109.9897

■ 5.9070, 4.1395,
12.5093

■ 94.9196, 85.5680,
140.8451

■ 2.8287, 1.7519,
6.9648

121.6577,
111.0584, 176.9905

■ 1.0639, 0.4569,
3.3620

152.9975,
141.1665, 218.8444

■ 0.0000, 0.0000,
1.2823

189.3041,

■ 0.0000, 0.0000,

176.2766, 266.8254

0.0472

230.9431,
216.7731, 321.3520

■ 0.0000, 0.0000,
0.0000

■ 26.6757, 22.0947,
44.9782

■ 26.6757, 22.0947,
44.9782

■ 23.3521, 17.6221,
44.2904

■ 30.5025, 27.4113,
45.8031

■ 20.5048, 13.9447,
43.7307

■ 34.8532, 33.6119,
46.7706

■ 18.1072, 11.0125,
43.2911

■ 39.7500, 40.7369,
47.8878

■ 16.1293, 8.7685,
42.9622

■ 45.2130, 48.8237,
49.1607

■ 14.5362, 7.1473,
42.7332

■ 51.2613, 57.9073,
50.5953

■ 13.2865, 6.0694,
42.5911

■ 57.9129, 68.0210,
52.1968

■ 12.7285, 5.6335,
42.5363

■ 65.1852, 79.1967,
53.9707

■ 71.9993, 89.2737,
55.5566

■ 74.5161, 90.5712,
55.6744

Harmonies

Analogous

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



22.6480, 22.0947, 53.4181



26.6757, 22.0947, 44.9782



29.3673, 22.0947, 31.7678

Triad

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



26.6757, 22.0947, 44.9782



23.5436, 22.0947, 8.4057



14.2214, 22.0947, 28.9574

Complementary

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



26.6757, 22.0947, 44.9782



30.7505, 39.1220, 22.4545

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.



14.3958, 22.0947, 17.7079



26.6757, 22.0947, 44.9782



19.4346, 22.0947, 8.0898

Square

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



26.6757, 22.0947, 44.9782



27.4040, 22.0947, 11.9738



16.1931, 22.0947, 10.9008



15.6812, 22.0947, 42.3563

Rectangle

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



26.6757, 22.0947, 44.9782



29.8546, 22.0947, 23.3512



16.1931, 22.0947, 10.9008



14.0966, 22.0947, 24.7776

Sweetspot

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



26.6764, 22.0956, 44.9787



67.2136, 66.7569, 85.7240



25.5129, 27.4757, 46.0785



14.6210, 14.3977, 18.9307



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



26.6764, 22.0956, 44.9787



43.5418, 33.5397, 80.5601



32.5386, 25.1296, 44.7134



8.4594, 8.4453, 10.6906



9.1805, 4.0685, 30.4384



0.3555, 0.1623, 0.9608

Inverse Universe

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



29.7170, 24.0010, 29.8553



50.1578, 37.6801, 47.9033



26.3364, 36.8395, 22.5635



8.6563, 8.5692, 9.6883



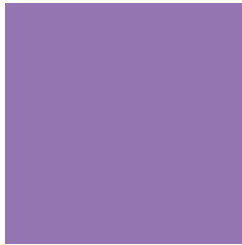
14.2924, 7.2345, 6.6998



0.4793, 0.2395, 0.3665

Previews

White Background



This preview shows how the XYZ color 26.6757, 22.0947, 44.9782 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 26.6757, 22.0947, 44.9782 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 × Fail

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

XYZ 26.6757, 22.0947, 44.9782

Background



This preview shows how black text looks on a background with the XYZ color 26.6757, 22.0947, 44.9782.



This preview shows how white text looks on a background with the XYZ color 26.6757, 22.0947,

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

26.6757, 22.0947, 44.9782

Protanopia

23.1192, 22.3412, 50.1075

Deuteranopia

22.7581, 22.2859, 44.1764



Tritanopia

22.8621, 22.1673, 25.9954

Trichromacy



Original Color

26.6757, 22.0947, 44.9782

Protanomaly

24.1716, 22.1611, 48.3509

Deuteranomaly

24.0456, 22.1788, 44.6086

Tritanomaly

24.2225, 22.1732, 32.2813

Monochromacy



Original Color

26.6757, 22.0947, 44.9782

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

23.6616, 22.8376, 31.5948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.6757, 22.0947, 44.9782 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(149, 116, 178)` looks like.

```
.text, #text, p{  
    color:rgb(149, 116, 178)  
}
```

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(149, 116, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 116, 178) }
```

Border

The CSS property to change the border of an element to XYZ 26.6757, 22.0947, 44.9782 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(149, 116, 178) }
```


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

```
.border{ border-color:rgb(149, 116, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 116, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 116, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 116, 178);  
box-shadow:4px 4px 4px 4px rgb(149, 116,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 26.6757, 22.0947, 44.9782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 116, 178) }
```

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

```
.background{ background-color: rgb(149,  
116, 178) }
```

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