

Converting Colors

XYZ(30.3781, 24.2519, 50.5977)

Have a look what the booklet for
XYZ(30.3781, 24.2519, 50.5977)
contains.

XYZ(30.4558, 24.2691, 50.6562)	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(30.4558, 24.2691,
50.6562)**

Conversions

Conversions Part 1

Format	Color
Hex	A276BC
RGB	162, 118, 188
RGB Percent	64%, 46%, 74%
CMY	0.3647, 0.5372, 0.2627
CMYK	0.14, 0.37, 0.00, 0.26
HSL	278°, 34%, 60%
HSV	278°, 37%, 74%
XYZ	30.4558, 24.2691, 50.6562
YIQ	139.1360, 3.7540, 31.0980

Conversions

Conversions Part 2

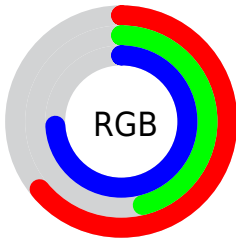
Format	Color
RYB	162, 118, 188
Decimal	10647228
CIELab	56.36, 30.27, -30.22
CIELCh	56, 42.771, 315.045
Yxy	24.2691, 0.2890, 0.2303
Android (android.graphics.Color)	4288837308 (0xFFA276BC)
YUV	139.1360, 24.0900, 20.0517
Hunter-Lab	49.2637, 24.1409, -26.4814

Details

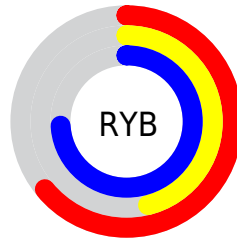
The XYZ color **30.4558, 24.2691, 50.6562** is a light color, and the websafe version is hex **996699**. A complement of this color would be **32.7557, 43.2044, 23.7535**, and the grayscale version is **24.5028, 25.7789, 28.0732**.

A 20% lighter version of the original color is **59.8055, 50.5629, 92.1955**, and **12.7379, 9.2287, 23.6642** is the 20% darker color. If you saturate the color by 10%, you get **27.0795, 19.5636, 49.9263**, and if you desaturate by 10%, it is **34.3538, 29.8997, 51.5380**.

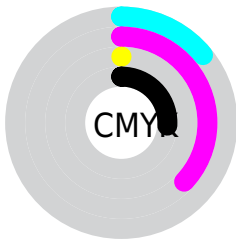
Distribution



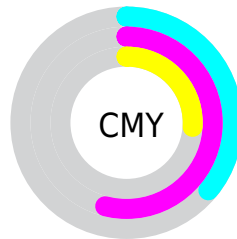
- Red (64%)
- Green (46%)
- Blue (74%)



- Red (64%)
- Yellow (46%)
- Blue (74%)



- Cyan (14%)
- Magenta (37%)
- Yellow (0%)
- Black (26%)



- Cyan (36%)
- Magenta (54%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4558, 24.2691, 50.6562 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 30.4558, 24.2691, 50.6562 by changing the saturation by 10% instead.

■ 30.4558, 24.2691,
50.6562

■ 30.4558, 24.2691,
50.6562

295.8951,
274.1781, 406.0349

■ 20.3346, 15.5334,
35.5602

■ 59.7639, 50.4690,
92.5527

■ 12.7482, 9.1946,
23.8078

■ 79.6816, 68.7019,
120.1903

■ 7.3312, 4.8683,
14.9802

■ 103.5955, 90.8693,
152.8455

■ 3.7182, 2.1702,
8.6590

131.8709,
117.3557, 190.9369

■ 1.5440, 0.7037,
4.4257

164.8732,
148.5454, 234.8830

■ 0.3555, 0.0000,
1.8617

202.9678,

■ 0.0000, 0.0000,

184.8227, 285.1023

0.4682

246.5200,
226.5722, 342.0135

■ 0.0000, 0.0000,
0.0000

■ 30.4558, 24.2691,
50.6562

■ 30.4558, 24.2691,
50.6562

■ 27.0795, 19.5636,
49.9263

■ 34.3538, 29.8997,
51.5380

■ 24.1947, 15.7267,
49.3377

■ 38.7964, 36.5013,
52.5780

■ 21.7718, 12.7005,
48.8813

■ 43.8080, 44.1204,
53.7845

■ 19.7765, 10.4184,
48.5460

■ 49.4108, 52.7996,
55.1645

■ 18.1692, 8.8030,
48.3189

■ 55.6257, 62.5788,
56.7245

16.8938, 7.7443,
48.1818

62.4725, 73.4962,
58.4709

16.5717, 7.4944,
48.1505

69.9701, 85.5878,
60.4097

73.7103, 90.0355,
61.0710

75.8412, 91.1340,
61.1707

Harmonies

Analogous

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



25.6192, 24.2691, 62.3225



30.4558, 24.2691, 50.6562



33.5044, 24.2691, 34.0778

Triad

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



30.4558, 24.2691, 50.6562



25.6038, 24.2691, 7.9037



15.0623, 24.2691, 34.1266

Complementary

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



30.4558, 24.2691, 50.6562



32.7557, 43.2044, 23.7535

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.



15.0594, 24.2691, 20.0132



30.4558, 24.2691, 50.6562



20.6903, 24.2691, 7.9086

Square

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



30.4558, 24.2691, 50.6562



30.4431, 24.2691, 11.4803



16.9818, 24.2691, 11.4975



16.9904, 24.2691, 50.7027

Rectangle

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



30.4558, 24.2691, 50.6562



33.8708, 24.2691, 24.1062



16.9818, 24.2691, 11.4975



14.8462, 24.2691, 28.8878

Sweetspot

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



30.4566, 24.2701, 50.6567



75.6834, 74.2846, 96.5756



26.6492, 27.6833, 51.5162



16.0099, 15.5707, 20.7042



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



30.4566, 24.2701, 50.6567



49.9345, 36.6289, 90.6644



35.4394, 26.9377, 46.4233



9.5771, 9.5144, 12.0039



11.3670, 5.1460, 32.7871



0.5152, 0.2376, 1.2876

Inverse Universe

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



32.2523, 25.6629, 29.6402



53.9930, 39.7213, 45.6661



29.2319, 41.3293, 26.2329



9.6728, 9.5934, 10.6658



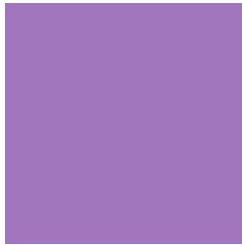
14.9025, 7.5922, 4.7801



0.6156, 0.3102, 0.3552

Previews

White Background



This preview shows how the XYZ color 30.4558, 24.2691, 50.6562 looks on a white background.

Color Contrast Check

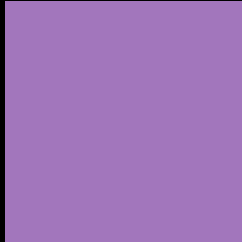
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.4558, 24.2691, 50.6562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

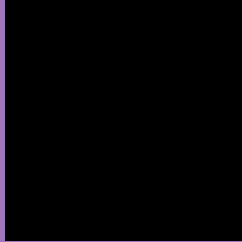
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.4558, 24.2691, 50.6562

Background



This preview shows how black text looks on a background with the XYZ color 30.4558, 24.2691, 50.6562.



This preview shows how white text looks on a background with the XYZ color 30.4558, 24.2691,

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

30.4558, 24.2691, 50.6562

Protanopia

25.6229, 24.4559, 58.0136

Deuteranopia

25.0278, 24.5460, 49.3177



Tritanopia

25.6330, 24.1433, 27.3539

Trichromacy



Original Color

30.4558, 24.2691, 50.6562

Protanomaly

27.0430, 24.2492, 55.4798

Deuteranomaly

26.5738, 24.1344, 49.7122

Tritanomaly

27.1130, 23.9837, 34.6528

Monochromacy



Original Color

30.4558, 24.2691, 50.6562

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.2347, 24.8700, 35.3160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4558, 24.2691, 50.6562 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(162, 118, 188)` looks like.

```
.text, #text, p{  
    color:rgb(162, 118, 188)  
}
```

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(162, 118, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 118, 188) }
```

Border

The CSS property to change the border of an element to XYZ 30.4558, 24.2691, 50.6562 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(162, 118, 188) }
```


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

```
.border{ border-color:rgb(162, 118, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 118, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 118, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 118, 188);  
box-shadow:4px 4px 4px 4px rgb(162, 118,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4558, 24.2691, 50.6562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 118, 188) }
```

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

```
.background{ background-color: rgb(162,  
118, 188) }
```

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