

Converting Colors

XYZ(29.1835, 22.6357, 48.7310)

Have a look what the booklet for
XYZ(29.1835, 22.6357, 48.7310)
contains.

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Color

**XYZ(29.2491, 22.6682,
48.7327)**

Conversions

Conversions Part 1

Format	Color
Hex	A170B9
RGB	161, 112, 185
RGB Percent	63%, 44%, 73%
CMY	0.3686, 0.5608, 0.2745
CMYK	0.13, 0.39, 0.00, 0.27
HSL	280°, 34%, 58%
HSV	280°, 39%, 73%
XYZ	29.2491, 22.6682, 48.7327
YIQ	134.9730, 5.7710, 33.0910

Conversions

Conversions Part 2

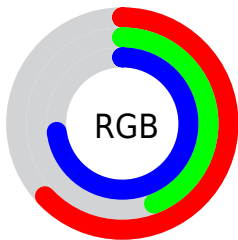
Format	Color
R_{YB}	161, 112, 185
Decimal	10580153
CIE _{Lab}	54.73, 32.70, -31.04
CIE _{LCh}	55, 45.087, 316.495
Yxy	22.6682, 0.2906, 0.2252
Android (android.graphics.Color)	4288770233 (0xFFA170B9)
YUV	134.9730, 24.6633, 22.8257
Hunter-Lab	47.6111, 26.3390, -27.3589

Details

The XYZ color **29.2491, 22.6682, 48.7327** is a light color, and the websafe version is hex **996699**. A complement of this color would be **30.4276, 41.1025, 21.6601**, and the grayscale version is **22.9298, 24.1239, 26.2709**.

A 20% lighter version of the original color is **57.9476, 48.0129, 89.4323**, and **12.1267, 8.4091, 22.8138** is the 20% darker color. If you saturate the color by 10%, you get **26.2179, 18.3808, 48.0653**, and if you desaturate by 10%, it is **32.7609, 27.8270, 49.5437**.

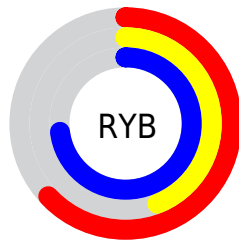
Distribution



Red (63%)

Green (44%)

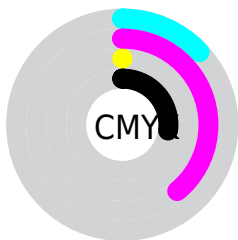
Blue (73%)



Red (63%)

Yellow (44%)

Blue (73%)

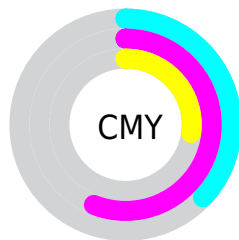


Cyan (13%)

Magenta (39%)

Yellow (0%)

Black (27%)



Cyan (37%)

Magenta (56%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2491, 22.6682, 48.7327 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 29.2491, 22.6682, 48.7327 by changing the saturation by 10% instead.

■ 29.2491, 22.6682,
48.7327

■ 29.2491, 22.6682,
48.7327

290.3615,
266.0162, 398.2812

■ 19.4146, 14.3487,
34.0434

■ 57.8674, 47.8479,
89.6712

■ 12.0760, 8.3636,
22.6493

■ 77.3820, 65.4770,
116.7575

■ 6.8680, 4.3285,
14.1319

■ 100.8539, 86.9780,
148.8131

■ 3.4253, 1.8590,
8.0727

■ 128.6485,
112.7353, 186.2567

■ 1.3825, 0.5235,
4.0530

161.1312,
143.1334, 229.5068

■ 0.2437, 0.0000,
1.6545

198.6674,

■ 0.0000, 0.0000,

178.5567, 278.9819

0.3293

241.6224,
219.3895, 335.1005

■ 0.0000, 0.0000,
0.0000

■ 29.2491, 22.6682,
48.7327

■ 29.2491, 22.6682,
48.7327

■ 26.2179, 18.3808,
48.0653

■ 32.7609, 27.8270,
49.5437

■ 23.6381, 14.9097,
47.5312

■ 36.7753, 33.9020,
50.5047

■ 21.4811, 12.1980,
47.1215

■ 41.3160, 40.9384,
51.6236

■ 19.7133, 10.1800,
46.8252

■ 46.4040, 48.9775,
52.9071

■ 18.2954, 8.7785,
46.6294

■ 52.0595, 58.0582,
54.3618

■ 17.1539, 7.8477,
46.5099

■ 58.3013, 68.2173,
55.9937

■ 17.0952, 7.8013,
46.5040

■ 65.1476, 79.4897,
57.8087

■ 70.9983, 88.6744,
59.2731

■ 72.7594, 89.5823,
59.3555

Harmonies

Analogous

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



24.3751, 22.6682, 61.3376



29.2491, 22.6682, 48.7327



32.2410, 22.6682, 31.6433

Triad

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



29.2491, 22.6682, 48.7327



23.8559, 22.6682, 6.4852



13.6180, 22.6682, 33.2992

Complementary

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



29.2491, 22.6682, 48.7327



30.4276, 41.1025, 21.6601

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.



13.5232, 22.6682, 18.8245



29.2491, 22.6682, 48.7327



18.9437, 22.6682, 6.6380

Square

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



29.2491, 22.6682, 48.7327



28.8189, 22.6682, 9.6741



15.3292, 22.6682, 10.2251



15.6119, 22.6682, 50.3393

Rectangle

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



29.2491, 22.6682, 48.7327



32.5073, 22.6682, 21.7130



15.3292, 22.6682, 10.2251



13.3749, 22.6682, 27.9096

Sweetspot

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



29.2499, 22.6691, 48.7332



71.6733, 69.6935, 91.8792



24.2911, 24.6508, 49.3771



15.2213, 14.6669, 19.7503



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.2499, 22.6691, 48.7332



47.8150, 34.1119, 86.2687



33.3291, 24.9142, 42.5035



9.0862, 9.0108, 11.3398



11.7195, 5.3528, 31.6686



0.4754, 0.2208, 1.1193

Inverse Universe

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



30.2463, 23.6811, 26.2700



50.1360, 36.3453, 39.5322



27.6804, 39.6027, 25.3102



9.1231, 9.0596, 9.9957



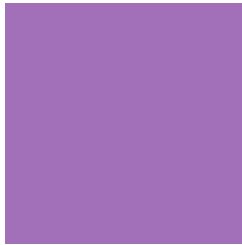
14.2240, 7.2633, 3.8003



0.5308, 0.2678, 0.2885

Previews

White Background



This preview shows how the XYZ color 29.2491, 22.6682, 48.7327 looks on a white background.

Color Contrast Check

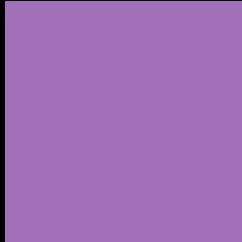
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2491, 22.6682, 48.7327 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 29.2491, 22.6682, 48.7327

Background



This preview shows how black text looks on a background with the XYZ color 29.2491, 22.6682, 48.7327.



This preview shows how white text looks on a background with the XYZ color 29.2491, 22.6682,

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

29.2491, 22.6682, 48.7327

Protanopia

24.2225, 22.9498, 57.1859

Deuteranopia

23.4964, 22.9875, 47.4546



Tritanopia

24.4535, 22.6317, 25.2698

Trichromacy



Original Color

29.2491, 22.6682, 48.7327

Protanomaly

25.5730, 22.5730, 54.0481

Deuteranomaly

25.1459, 22.4903, 47.8155

Tritanomaly

25.9746, 22.5286, 32.6852

Monochromacy



Original Color

29.2491, 22.6682, 48.7327

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.8407, 23.4079, 33.3459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2491, 22.6682, 48.7327 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(161, 112, 185)` looks like.

```
.text, #text, p{  
    color:rgb(161, 112, 185)  
}
```

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(161, 112, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 112, 185) }
```

Border

The CSS property to change the border of an element to XYZ 29.2491, 22.6682, 48.7327 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(161, 112, 185) }
```


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

```
.border{ border-color:rgb(161, 112, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 112, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 112, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 112, 185);  
box-shadow:4px 4px 4px 4px rgb(161, 112,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2491, 22.6682, 48.7327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 112, 185) }
```

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

```
.background{ background-color: rgb(161,  
112, 185) }
```

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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