

Converting Colors

XYZ(29.5711, 22.4405, 34.5718)

Have a look what the booklet for
XYZ(29.5711, 22.4405, 34.5718)
contains.

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Color

**XYZ(29.5798, 22.5066,
34.6835)**

Conversions

Conversions Part 1

Format	Color
Hex	B16C9D
RGB	177, 108, 157
RGB Percent	69%, 42%, 62%
CMY	0.3059, 0.5765, 0.3843
CMYK	0.00, 0.39, 0.11, 0.31
HSL	317°, 31%, 56%
HSV	317°, 39%, 69%
XYZ	29.5798, 22.5066, 34.6835
YIQ	134.2170, 25.3950, 29.8670

Conversions

Conversions Part 2

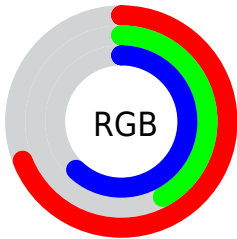
Format	Color
R_{YB}	177, 108, 157
Decimal	11627677
CIE _{Lab}	54.56, 34.70, -14.93
CIE _{LCh}	55, 37.773, 336.712
Yxy	22.5066, 0.3409, 0.2594
Android (android.graphics.Color)	4289817757 (0xFFB16C9D)
YUV	134.2170, 11.2320, 37.5207
Hunter-Lab	47.4411, 28.2738, -10.1373

Details

The XYZ color **29.5798, 22.5066, 34.6835** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.8037, 36.1915, 26.0493**, and the grayscale version is **22.6939, 23.8757, 26.0007**.

A 20% lighter version of the original color is **58.5602, 47.7356, 68.4148**, and **12.2830, 8.2777, 14.5860** is the 20% darker color. If you saturate the color by 10%, you get **27.4703, 18.9737, 31.8644**, and if you desaturate by 10%, it is **32.0880, 26.8068, 37.7267**.

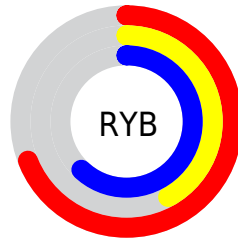
Distribution



Red (69%)

Green (42%)

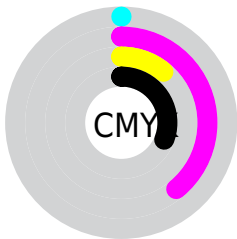
Blue (62%)



Red (69%)

Yellow (42%)

Blue (62%)

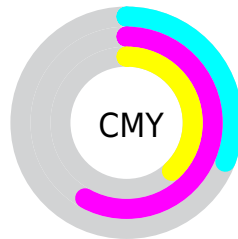


Cyan (0%)

Magenta (39%)

Yellow (11%)

Black (31%)



Cyan (31%)


Magenta (58%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5798, 22.5066, 34.6835 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 29.5798, 22.5066, 34.6835 by changing the saturation by 10% instead.

 29.5798, 22.5066,
34.6835


 29.5798, 22.5066,
34.6835


291.8860,
265.1806, 338.0308

 19.6663, 14.2296,
23.1376


 58.3882, 47.5819,
68.1412


 12.2596, 8.2805,
14.4889


 78.0139, 65.1490,
90.8900

 6.9942, 4.2750,
8.3188


 101.6077, 86.5815,
118.2102

 3.5048, 1.8285,
4.2090

 129.5350,
112.2640, 150.5203

 1.4260, 0.5049,
1.7407

162.1611,
142.5807, 188.2389

 0.2746, 0.0000,
0.3884

199.8514,

 0.0000, 0.0000,

177.9161, 231.7845

0.0000

242.9712,
218.6546, 281.5756

■ 29.5798, 22.5066,
34.6835

■ 29.5798, 22.5066,
34.6835

■ 27.4703, 18.9737,
31.8644

■ 32.0880, 26.8068,
37.7267

■ 25.7342, 16.1589,
29.2593

■ 35.0142, 31.9136,
41.0009

■ 24.3464, 14.0117,
26.8587

■ 38.3790, 37.8672,
44.5141

■ 23.2775, 12.4743,
24.6520

■ 42.2007, 44.7045,
48.2737

■ 22.4934, 11.4783,
22.6263

■ 46.4969, 52.4597,
52.2864

■ 21.9310, 10.8983,
20.7597

■ 51.2840, 61.1657,
56.5587

■ 21.8777, 10.8456,
20.5755

■ 56.5777, 70.8534,
61.0968

■ 62.3930, 81.5526,
65.9068

■ 64.6922, 85.1874,
69.6437

Harmonies

Analogous

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



26.5190, 22.5066, 47.7373



29.5798, 22.5066, 34.6835



30.3241, 22.5066, 21.9335

Triad

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



29.5798, 22.5066, 34.6835



20.4737, 22.5066, 8.1078



15.6174, 22.5066, 40.8409

Complementary

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



29.5798, 22.5066, 34.6835



25.8037, 36.1915, 26.0493

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.



14.4123, 22.5066, 27.2718



29.5798, 22.5066, 34.6835



16.9722, 22.5066, 10.3838

Square

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



29.5798, 22.5066, 34.6835



24.7002, 22.5066, 8.9502



14.8742, 22.5066, 16.5438



18.3929, 22.5066, 52.0208

Rectangle

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



29.5798, 22.5066, 34.6835



29.3307, 22.5066, 15.6106



14.8742, 22.5066, 16.5438



15.0328, 22.5066, 36.2653

Sweetspot

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



29.5805, 22.5076, 34.6840



66.7042, 64.2107, 77.6465



22.1340, 18.4551, 43.9908



14.2890, 13.6198, 16.6543



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.5805, 22.5076, 34.6840



49.6077, 34.6580, 57.6423



27.0669, 21.5022, 21.4475



8.7429, 8.6039, 10.1447



15.8784, 7.8689, 15.0514



0.5234, 0.2571, 0.5990

Inverse Universe

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



29.5805, 22.5076, 34.6840



49.6077, 34.6580, 57.6423



28.4333, 37.2434, 39.8965



8.7429, 8.6039, 10.1447



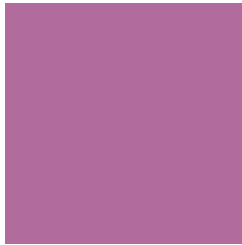
15.8784, 7.8689, 15.0514



0.5234, 0.2571, 0.5990

Previews

White Background



This preview shows how the XYZ color 29.5798, 22.5066, 34.6835 looks on a white background.

Color Contrast Check

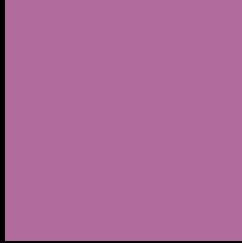
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5798, 22.5066, 34.6835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

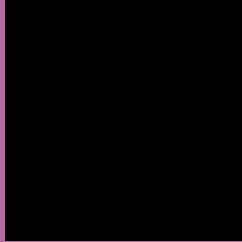
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.5798, 22.5066, 34.6835

Background



This preview shows how black text looks on a background with the XYZ color 29.5798, 22.5066, 34.6835.



This preview shows how white text looks on a background with the XYZ color 29.5798, 22.5066,

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

29.5798, 22.5066, 34.6835

Protanopia

22.9044, 22.6010, 42.1850

Deuteranopia

23.1418, 22.7248, 33.3036



Tritanopia

26.9395, 22.5758, 21.6766

Trichromacy



Original Color

29.5798, 22.5066, 34.6835

Protanomaly

24.6276, 22.0402, 39.5154

Deuteranomaly

25.0645, 22.3974, 33.5739

Tritanomaly

27.6229, 22.3363, 25.7771

Monochromacy



Original Color

29.5798, 22.5066, 34.6835

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.7938, 23.1043, 28.7440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5798, 22.5066, 34.6835 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(177, 108, 157)` looks like.

```
.text, #text, p{  
    color:rgb(177, 108, 157)  
}
```

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(177, 108, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 108, 157) }
```

Border

The CSS property to change the border of an element to XYZ 29.5798, 22.5066, 34.6835 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(177, 108, 157) }
```


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

```
.border{ border-color:rgb(177, 108, 157) }
```

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

Here you see how a box with a 4 pixel rgb(177, 108, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 108, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 108, 157);  
box-shadow:4px 4px 4px 4px rgb(177, 108,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5798, 22.5066, 34.6835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 108, 157) }
```

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

```
.background{ background-color: rgb(177,  
108, 157) }
```

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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