

Converting Colors

XYZ(30.8232, 27.5506, 40.1203)

Have a look what the booklet for
XYZ(30.8232, 27.5506, 40.1203)
contains.

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Color

**XYZ(30.8796, 27.5644,
40.2521)**

Conversions

Conversions Part 1

Format	Color
Hex	A585A7
RGB	165, 133, 167
RGB Percent	65%, 52%, 65%
CMY	0.3529, 0.4784, 0.3451
CMYK	0.01, 0.20, 0.00, 0.35
HSL	296°, 16%, 59%
HSV	296°, 20%, 65%
XYZ	30.8796, 27.5644, 40.2521
YIQ	146.4440, 8.1580, 17.3580

Conversions

Conversions Part 2

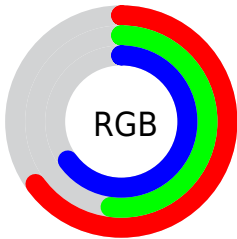
Format	Color
RYB	165, 133, 167
Decimal	10847655
CIELab	59.49, 18.33, -13.38
CIELCh	59, 22.690, 323.868
Yxy	27.5644, 0.3129, 0.2793
Android (android.graphics.Color)	4289037735 (0xFFA585A7)
YUV	146.4440, 10.1341, 16.2736
Hunter-Lab	52.5018, 13.1089, -8.7052

Details

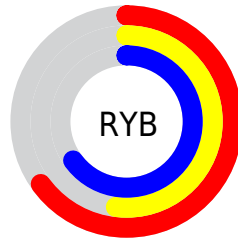
The XYZ color **30.8796, 27.5644, 40.2521** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **28.0450, 34.4825, 27.3693**, and the grayscale version is **27.4619, 28.8920, 31.4634**.

A 20% lighter version of the original color is **60.2589, 55.6074, 76.6646**, and **12.9978, 10.9350, 17.6453** is the 20% darker color. If you saturate the color by 10%, you get **28.5693, 23.2455, 39.5406**, and if you desaturate by 10%, it is **33.5567, 32.6135, 41.0860**.

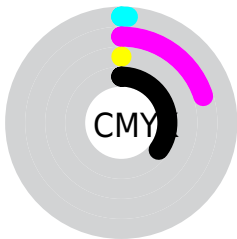
Distribution



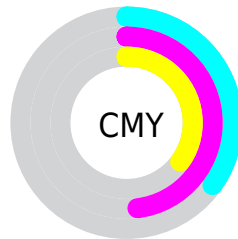
- Red (65%)
- Green (52%)
- Blue (65%)



- Red (65%)
- Yellow (52%)
- Blue (65%)



- Cyan (1%)
- Magenta (20%)
- Yellow (0%)
- Black (35%)



- Cyan (35%)
- Magenta (48%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8796, 27.5644, 40.2521 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 30.8796, 27.5644, 40.2521 by changing the saturation by 10% instead.

■ 30.8796, 27.5644,
40.2521

■ 30.8796, 27.5644,
40.2521

297.8200,
290.3796, 362.7686

■ 20.6586, 17.9976,
27.4199

■ 60.4276, 55.7882,
76.7885

■ 12.9857, 10.9482,
17.6536

■ 80.4853, 75.2140,
101.3298

■ 7.4956, 6.0320,
10.5347

■ 104.5525, 98.6949,
130.6112

■ 3.8230, 2.8646,
5.6447

132.9947,
126.6152, 165.0513

■ 1.6025, 1.0614,
2.5650

166.1772,
159.3595, 205.0685

■ 0.3940, 0.0000,
0.8743

204.4654,

■ 0.0000, 0.0000,

197.3120, 251.0814

0.0000

248.2245,
240.8573, 303.5086

■ 30.8796, 27.5644,
40.2521

■ 30.8796, 27.5644,
40.2521

■ 28.5693, 23.2455,
39.5406

■ 33.5567, 32.6135,
41.0860

■ 26.6061, 19.6189,
38.9441

■ 36.6140, 38.4213,
42.0459

■ 24.9723, 16.6489,
38.4569

■ 40.0674, 45.0191,
43.1373

■ 23.6477, 14.2948,
38.0724

■ 43.9313, 52.4352,
44.3652

■ 22.6097, 12.5118,
37.7829

■ 48.2190, 60.6968,
45.7338

■ 21.8329, 11.2488,
37.5801

■ 52.9436, 69.8297,
47.2476

■ 21.2871, 10.4455,
37.4538

■ 58.1173, 79.8586,
48.9107

■ 20.9145, 9.9760,
37.3828

■ 59.9376, 83.1783,
49.4555

■ 60.1554, 83.2906,
49.4657

Harmonies

Analogous

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



28.4799, 27.5644, 46.7766



30.8796, 27.5644, 40.2521



32.0350, 27.5644, 31.7210

Triad

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



30.8796, 27.5644, 40.2521



26.7890, 27.5644, 16.9554



21.5000, 27.5644, 36.8226

Complementary

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



30.8796, 27.5644, 40.2521



28.0450, 34.4825, 27.3693

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.



21.1189, 27.5644, 28.3673



30.8796, 27.5644, 40.2521



24.0435, 27.5644, 17.8258

Square

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



30.8796, 27.5644, 40.2521



29.5655, 27.5644, 19.0369



22.0173, 27.5644, 21.6765



23.0985, 27.5644, 44.5587

Rectangle

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



30.8796, 27.5644, 40.2521



31.8884, 27.5644, 26.4058



22.0173, 27.5644, 21.6765



21.2303, 27.5644, 33.9345

Sweetspot

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



30.8804, 27.5656, 40.2527



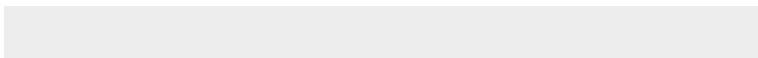
62.3387, 62.6580, 74.2839



25.3503, 25.1804, 40.0838



13.8754, 13.8797, 16.5999



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



30.8804, 27.5656, 40.2527



53.5396, 46.0593, 71.5438



30.0141, 27.2675, 33.5025



7.7977, 7.6438, 9.4828



16.0184, 7.6412, 28.6061



0.4023, 0.1924, 0.6966

Inverse Universe

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



28.6980, 26.7410, 26.5720



48.9958, 44.3457, 42.9204



28.8167, 34.7543, 33.0969



7.5483, 7.5492, 7.9388



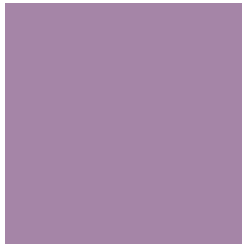
12.2423, 6.3056, 0.8217



0.3033, 0.1556, 0.0485

Previews

White Background



This preview shows how the XYZ color 30.8796, 27.5644, 40.2521 looks on a white background.

Color Contrast Check

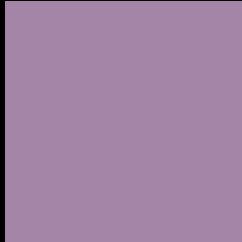
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8796, 27.5644, 40.2521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

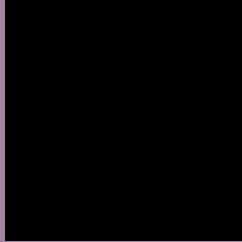
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.8796, 27.5644, 40.2521

Background



This preview shows how black text looks on a background with the XYZ color 30.8796, 27.5644, 40.2521.



This preview shows how white text looks on a background with the XYZ color 30.8796, 27.5644,

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

30.8796, 27.5644, 40.2521

Protanopia

27.5324, 27.6815, 43.4271

Deuteranopia

28.2936, 27.7124, 39.9342



Tritanopia

29.1124, 27.6793, 31.4120

Trichromacy



Original Color

30.8796, 27.5644, 40.2521

Protanomaly

28.6159, 27.6086, 42.3488

Deuteranomaly

29.1550, 27.5145, 39.8506

Tritanomaly

29.7412, 27.7279, 34.3563

Monochromacy



Original Color

30.8796, 27.5644, 40.2521

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.4945, 28.1552, 34.5045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8796, 27.5644, 40.2521 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(165, 133, 167)` looks like.

```
.text, #text, p{  
    color:rgb(165, 133, 167)  
}
```

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(165, 133, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 133, 167) }
```

Border

The CSS property to change the border of an element to XYZ 30.8796, 27.5644, 40.2521 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(165, 133, 167) }
```


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

```
.border{ border-color:rgb(165, 133, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 133, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 133, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 133, 167);  
box-shadow:4px 4px 4px 4px rgb(165, 133,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8796, 27.5644, 40.2521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 133, 167) }
```

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

```
.background{ background-color: rgb(165,  
133, 167) }
```

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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