

Converting Colors

XYZ(29.2763, 21.4372, 44.7961)

Have a look what the booklet for
XYZ(29.2763, 21.4372, 44.7961)
contains.

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Color

**XYZ(29.3484, 21.5500,
44.7322)**

Conversions

Conversions Part 1

Format	Color
Hex	A968B2
RGB	169, 104, 178
RGB Percent	66%, 41%, 70%
CMY	0.3372, 0.5921, 0.3020
CMYK	0.05, 0.42, 0.00, 0.30
HSL	293°, 32%, 55%
HSV	293°, 42%, 70%
XYZ	29.3484, 21.5500, 44.7322
YIQ	131.8710, 14.9860, 36.7940

Conversions

Conversions Part 2

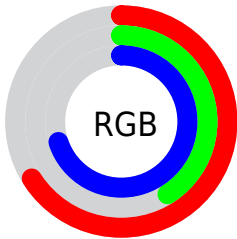
Format	Color
R _{YB}	169, 104, 178
Decimal	11102386
CIE _{Lab}	53.55, 38.18, -28.77
CIE _{LCh}	54, 47.808, 323.000
Yxy	21.5500, 0.3069, 0.2253
Android (android.graphics.Color)	4289292466 (0xFFA968B2)
YUV	131.8710, 22.7416, 32.5621
Hunter-Lab	46.4220, 31.6109, -24.6364

Details

The XYZ color **29.3484, 21.5500, 44.7322** is a light color, and the websafe version is hex **996699**. A complement of this color would be **25.2298, 36.3515, 18.7845**, and the grayscale version is **21.8033, 22.9387, 24.9803**.

A 20% lighter version of the original color is **57.9596, 46.0620, 83.6780**, and **12.0911, 7.7638, 20.2633** is the 20% darker color. If you saturate the color by 10%, you get **27.2819, 18.1002, 44.1756**, and if you desaturate by 10%, it is **31.8022, 25.7619, 45.4162**.

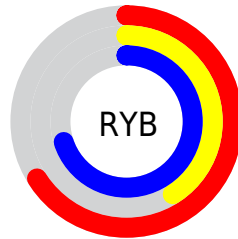
Distribution



Red (66%)

Green (41%)

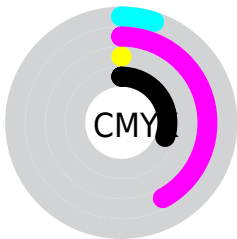
Blue (70%)



Red (66%)

Yellow (41%)

Blue (70%)

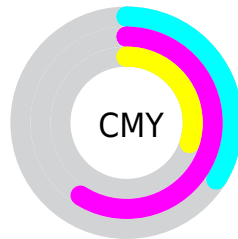


Cyan (5%)

Magenta (42%)

Yellow (0%)

Black (30%)



Cyan (34%)

Magenta (59%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3484, 21.5500, 44.7322 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 29.3484, 21.5500, 44.7322 by changing the saturation by 10% instead.

■ 29.3484, 21.5500,
44.7322

■ 29.3484, 21.5500,
44.7322

290.8199,
260.1872, 381.8163

■ 19.4901, 13.5266,
30.9051

■ 58.0239, 46.0011,
83.6326

■ 12.1311, 7.7922,
20.2688

■ 77.5719, 63.1976,
109.5430

■ 6.9058, 3.9623,
12.4045

■ 101.0804, 84.2207,
140.3182

■ 3.4491, 1.6525,
6.8939

■ 128.9150,
109.4546, 176.3769

■ 1.3955, 0.3926,
3.3184

161.4408,
139.2838, 218.1375

■ 0.2530, 0.0000,
1.2594

199.0234,

■ 0.0000, 0.0000,

174.0927, 266.0186

0.0282

242.0279,
214.2657, 320.4387

■ 0.0000, 0.0000,
0.0000

■ 29.3484, 21.5500,
44.7322

■ 29.3484, 21.5500,
44.7322

■ 27.2819, 18.1002,
44.1756

■ 31.8022, 25.7619,
45.4162

■ 25.5765, 15.3618,
43.7369

■ 34.6631, 30.7770,
46.2334

■ 24.2061, 13.2821,
43.4077

■ 37.9520, 36.6367,
47.1911

■ 23.1401, 11.8001,
43.1778

■ 41.6879, 43.3786,
48.2955

■ 22.3424, 10.8433,
43.0352

■ 45.8885, 51.0384,
49.5526

■ 21.8147, 10.3176,
42.9615

■ 50.5706, 59.6495,
50.9679

■ 55.7501, 69.2436,
52.5468

■ 61.4422, 79.8512,
54.2943

■ 64.6545, 85.4873,
55.2128

Harmonies

Analogous

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



24.5553, 21.5500, 59.9414



29.3484, 21.5500, 44.7322



31.8305, 21.5500, 27.0537

Triad

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



29.3484, 21.5500, 44.7322



21.7003, 21.5500, 5.1771



12.7212, 21.5500, 36.2278

Complementary

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



29.3484, 21.5500, 44.7322



25.2298, 36.3515, 18.7845

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.



12.2142, 21.5500, 20.2073



29.3484, 21.5500, 44.7322



16.8872, 21.5500, 5.9510

Square

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



29.3484, 21.5500, 44.7322



26.9646, 21.5500, 7.4294



13.6106, 21.5500, 10.3023



15.1328, 21.5500, 53.7740

Rectangle

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



29.3484, 21.5500, 44.7322



31.5921, 21.5500, 17.7001



13.6106, 21.5500, 10.3023



12.3408, 21.5500, 30.3610

Sweetspot

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



29.3491, 21.5509, 44.7327



68.4198, 65.7145, 85.4592



19.7479, 18.1630, 44.5848



14.9805, 14.2405, 18.8814



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.



29.3491, 21.5509, 44.7327



49.7163, 33.2217, 80.1733



28.8861, 21.5965, 31.8682



8.7463, 8.5933, 10.7040



15.6440, 7.4006, 30.7409



0.5206, 0.2475, 0.9686

Inverse Universe

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



26.2917, 20.5587, 18.2061



43.5816, 31.2761, 24.9066



25.7358, 36.4267, 27.1957



8.5370, 8.5215, 9.0604



13.2511, 6.8180, 1.2162



0.4303, 0.2199, 0.1088

Previews

White Background



This preview shows how the XYZ color 29.3484, 21.5500, 44.7322 looks on a white background.

Color Contrast Check

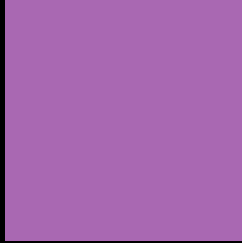
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3484, 21.5500, 44.7322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

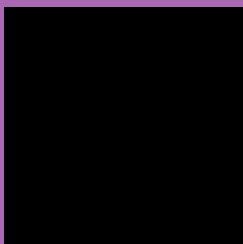
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.3484, 21.5500, 44.7322

Background



This preview shows how black text looks on a background with the XYZ color 29.3484, 21.5500, 44.7322.



This preview shows how white text looks on a background with the XYZ color 29.3484, 21.5500,

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

29.3484, 21.5500, 44.7322

Protanopia

23.1336, 21.8503, 55.2228

Deuteranopia

22.2996, 21.8796, 43.0923



Tritanopia

24.8474, 21.6528, 22.2719

Trichromacy



Original Color

29.3484, 21.5500, 44.7322

Protanomaly

24.5658, 21.2202, 50.9453

Deuteranomaly

24.3264, 21.4397, 43.4136

Tritanomaly

26.3453, 21.6013, 29.1665

Monochromacy



Original Color

29.3484, 21.5500, 44.7322

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.0614, 22.1087, 31.4330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3484, 21.5500, 44.7322 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(169, 104, 178)` looks like.

```
.text, #text, p{  
    color:rgb(169, 104, 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(169, 104, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 104, 178) }
```

Border

The CSS property to change the border of an element to XYZ 29.3484, 21.5500, 44.7322 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(169, 104, 178) }
```


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

```
.border{ border-color:rgb(169, 104, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 104, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 104, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 104, 178);  
box-shadow:4px 4px 4px 4px rgb(169, 104,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3484, 21.5500, 44.7322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 104, 178) }
```

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

```
.background{ background-color: rgb(169,  
104, 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](#).

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