

Converting Colors

XYZ(29.5353, 21.8474, 44.4007)

Have a look what the booklet for
XYZ(29.5353, 21.8474, 44.4007)
contains.

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Color

**XYZ(29.5650, 21.8235,
44.2491)**

Conversions

Conversions Part 1

Format	Color
Hex	AA69B1
RGB	170, 105, 177
RGB Percent	67%, 41%, 69%
CMY	0.3333, 0.5882, 0.3059
CMYK	0.04, 0.41, 0.00, 0.31
HSL	294°, 32%, 55%
HSV	294°, 41%, 69%
XYZ	29.5650, 21.8235, 44.2491
YIQ	132.6430, 15.6280, 36.1720

Conversions

Conversions Part 2

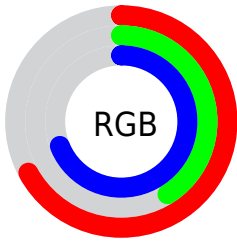
Format	Color
RYB	170, 105, 177
Decimal	11168177
CIELab	53.84, 37.75, -27.73
CIELCh	54, 46.838, 323.699
Yxy	21.8235, 0.3091, 0.2282
Android (android.graphics.Color)	4289358257 (0xFFAA69B1)
YUV	132.6430, 21.8680, 32.7621
Hunter-Lab	46.7156, 31.2152, -23.4586

Details

The XYZ color **29.5650, 21.8235, 44.2491** is a light color, and the websafe version is hex **996699**. A complement of this color would be **24.9547, 35.9094, 18.9815**, and the grayscale version is **22.0845, 23.2346, 25.3025**.

A 20% lighter version of the original color is **58.2989, 46.5057, 82.9946**, and **12.2067, 7.9006, 19.9504** is the 20% darker color. If you saturate the color by 10%, you get **27.5770, 18.3957, 43.6926**, and if you desaturate by 10%, it is **31.9345, 26.0061, 44.9319**.

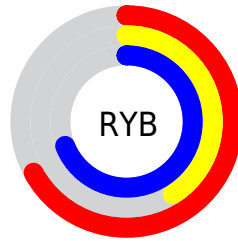
Distribution



Red (67%)

Green (41%)

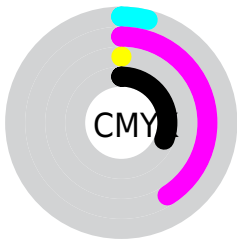
Blue (69%)



Red (67%)

Yellow (41%)

Blue (69%)

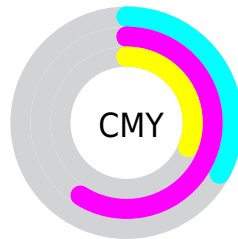


Cyan (4%)

Magenta (41%)

Yellow (0%)

Black (31%)



Cyan (33%)


Magenta (59%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5650, 21.8235, 44.2491 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 29.5650, 21.8235, 44.2491 by changing the saturation by 10% instead.


 29.5650, 21.8235,
44.2491


 29.5650, 21.8235,
44.2491


291.8179,
261.6232, 379.7949

 19.6551, 13.7273,
30.5278

 58.3649, 46.4541,
82.8989

 12.2514, 7.9312,
19.9841


 77.9856, 63.7573,
108.6645

 6.9885, 4.0510,
12.1995


 101.5740, 84.8982,
139.2818

 3.5012, 1.7021,
6.7555

 129.4954,
110.2613, 175.1696

 1.4240, 0.4250,
3.2336

162.1151,
140.2309, 216.7462

 0.2732, 0.0000,
1.2151

199.7985,

 0.0000, 0.0000,

175.1915, 264.4303

0.0000

242.9110,
215.5275, 318.6403

■ 29.5650, 21.8235,
44.2491

■ 29.5650, 21.8235,
44.2491

■ 27.5770, 18.3957,
43.6926

■ 31.9345, 26.0061,
44.9319

■ 25.9449, 15.6729,
43.2530

■ 34.7048, 30.9835,
45.7466

■ 24.6433, 13.6039,
42.9223

■ 37.8964, 36.7964,
46.7004

■ 23.6424, 12.1292,
42.6904

■ 41.5279, 43.4817,
47.7994

■ 22.9071, 11.1785,
42.5456

■ 45.6166, 51.0741,
49.0494

■ 22.3919, 10.6267,
42.4663

■ 50.1791, 59.6067,
50.4558

■ 55.2310, 69.1106,
52.0240

■ 60.7870, 79.6155,
53.7588

■ 63.8213, 85.0694,
54.6516

Harmonies

Analogous

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



24.8826, 21.8235, 59.2701



29.5650, 21.8235, 44.2491



31.9313, 21.8235, 26.9371

Triad

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



29.5650, 21.8235, 44.2491



21.8235, 21.8235, 5.4834



13.0800, 21.8235, 36.7406

Complementary

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



29.5650, 21.8235, 44.2491



24.9547, 35.9094, 18.9815

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.



12.5305, 21.8235, 20.8469



29.5650, 21.8235, 44.2491



17.0893, 21.8235, 6.3413

Square

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



29.5650, 21.8235, 44.2491



27.0189, 21.8235, 7.6883



13.8771, 21.8235, 10.8360



15.5223, 21.8235, 53.8471

Rectangle

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



29.5650, 21.8235, 44.2491



31.6430, 21.8235, 17.7816



13.8771, 21.8235, 10.8360



12.6862, 21.8235, 30.9524

Sweetspot

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



29.5657, 21.8245, 44.2496



66.9466, 64.2095, 83.3605



19.5786, 17.8111, 44.0013



14.3465, 13.6194, 18.0170



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.



29.5657, 21.8245, 44.2496



49.6629, 33.4113, 78.3268



28.5448, 21.5956, 30.7647



8.7670, 8.6039, 10.7050



16.2520, 7.7140, 30.7694



0.5347, 0.2548, 0.9692

Inverse Universe

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



26.1083, 20.6210, 17.9341



42.7342, 31.0314, 24.1514



25.8377, 36.1637, 28.1006



8.5288, 8.5182, 9.0172



13.2222, 6.8064, 1.0641



0.4269, 0.2185, 0.0909

Previews

White Background



This preview shows how the XYZ color 29.5650, 21.8235, 44.2491 looks on a white background.

Color Contrast Check

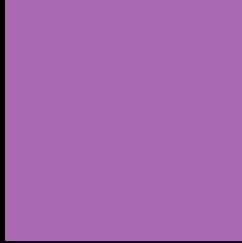
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5650, 21.8235, 44.2491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

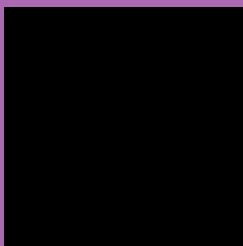
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.5650, 21.8235, 44.2491

Background



This preview shows how black text looks on a background with the XYZ color 29.5650, 21.8235, 44.2491.



This preview shows how white text looks on a background with the XYZ color 29.5650, 21.8235,

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

29.5650, 21.8235, 44.2491

Protanopia

23.3836, 22.1830, 54.6791

Deuteranopia

22.4683, 21.9778, 42.5931



Tritanopia

25.0513, 21.7580, 22.2814

Trichromacy



Original Color

29.5650, 21.8235, 44.2491

Protanomaly

24.7272, 21.4916, 50.4220

Deuteranomaly

24.3901, 21.4839, 42.9057

Tritanomaly

26.5541, 21.7089, 29.1762

Monochromacy



Original Color

29.5650, 21.8235, 44.2491

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.3618, 22.4468, 31.4824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5650, 21.8235, 44.2491 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(170, 105, 177)` looks like.

```
.text, #text, p{  
    color:rgb(170, 105, 177)  
}
```

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(170, 105, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 105, 177) }
```

Border

The CSS property to change the border of an element to XYZ 29.5650, 21.8235, 44.2491 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(170, 105, 177) }
```


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

```
.border{ border-color:rgb(170, 105, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 105, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 105, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 105, 177);  
box-shadow:4px 4px 4px 4px rgb(170, 105,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5650, 21.8235, 44.2491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 105, 177) }
```

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

```
.background{ background-color: rgb(170,  
105, 177) }
```

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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