

Converting Colors

XYZ(29.1081, 21.5104, 46.1606)

Have a look what the booklet for
XYZ(29.1081, 21.5104, 46.1606)
contains.

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Color

**XYZ(29.1179, 21.5463,
46.3402)**

Conversions

Conversions Part 1

Format	Color
Hex	A669B5
RGB	166, 105, 181
RGB Percent	65%, 41%, 71%
CMY	0.3490, 0.5882, 0.2902
CMYK	0.08, 0.42, 0.00, 0.29
HSL	288°, 34%, 56%
HSV	288°, 42%, 71%
XYZ	29.1179, 21.5463, 46.3402
YIQ	131.9030, 11.9600, 36.5680

Conversions

Conversions Part 2

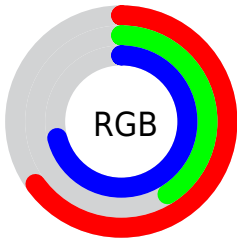
Format	Color
R_{YB}	166, 105, 181
Decimal	10906037
CIE _{Lab}	53.54, 37.31, -30.54
CIE _{LCh}	54, 48.216, 320.700
Yxy	21.5463, 0.3002, 0.2221
Android (android.graphics.Color)	4289096117 (0xFFA669B5)
YUV	131.9030, 24.2048, 29.9031
Hunter-Lab	46.4180, 30.7412, -26.6980

Details

The XYZ color **29.1179, 21.5463, 46.3402** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.8201, 38.0612, 19.2985**, and the grayscale version is **21.8104, 22.9462, 24.9884**.

A 20% lighter version of the original color is **57.6371, 46.0977, 85.9807**, and **11.9446, 7.7356, 21.2857** is the 20% darker color. If you saturate the color by 10%, you get **26.7285, 17.8634, 45.7556**, and if you desaturate by 10%, it is **31.9219, 26.0265, 47.0575**.

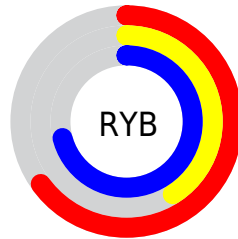
Distribution



Red (65%)

Green (41%)

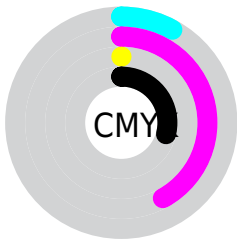
Blue (71%)



Red (65%)

Yellow (41%)

Blue (71%)

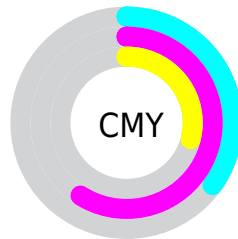


Cyan (8%)

Magenta (42%)

Yellow (0%)

Black (29%)



Cyan (35%)


Magenta (59%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1179, 21.5463, 46.3402 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 29.1179, 21.5463, 46.3402 by changing the saturation by 10% instead.

 29.1179, 21.5463,
46.3402


 29.1179, 21.5463,
46.3402


289.7550,
260.1677, 388.4919


 19.3148, 13.5239,
32.1638


 57.6606, 45.9950,
86.0675


 12.0033, 7.7903,
21.2208


 77.1309, 63.1901,
112.4555

 6.8181, 3.9611,
13.0927


 100.5543, 84.2115,
143.7511

 3.3939, 1.6518,
7.3609

 128.2961,
109.4437, 180.3728

 1.3653, 0.3922,
3.6070

160.7217,
139.2710, 222.7392

 0.2313, 0.0000,
1.4123

198.1965,

 0.0000, 0.0000,

174.0778, 271.2689

0.1513

241.0858,
214.2486, 326.3802

■ 0.0000, 0.0000,
0.0000

■ 29.1179, 21.5463,
46.3402

■ 29.1179, 21.5463,
46.3402

■ 26.7285, 17.8634,
45.7556

■ 31.9219, 26.0265,
47.0575

■ 24.7263, 14.9246,
45.2939

■ 35.1614, 31.3470,
47.9137

■ 23.0837, 12.6748,
44.9462

■ 38.8583, 37.5511,
48.9164

■ 21.7685, 11.0497,
44.7018

■ 43.0327, 44.6785,
50.0721

■ 20.7425, 9.9729,
44.5481

■ 47.7031, 52.7660,
51.3870

■ 20.0665, 9.3812,
44.4695

■ 52.8872, 61.8489,
52.8669

■ 58.6017, 71.9603,
54.5174

■ 64.8626, 83.1319,
56.3438

■ 67.4294, 86.8827,
56.9325

Harmonies

Analogous

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



24.1746, 21.5463, 61.1439



29.1179, 21.5463, 46.3402



31.8616, 21.5463, 28.3378

Triad

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



29.1179, 21.5463, 46.3402



22.1181, 21.5463, 5.1477



12.5559, 21.5463, 34.9538

Complementary

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



29.1179, 21.5463, 46.3402



26.8201, 38.0612, 19.2985

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.



12.1928, 21.5463, 19.1772



29.1179, 21.5463, 46.3402



17.1808, 21.5463, 5.6954

Square

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



29.1179, 21.5463, 46.3402



27.3979, 21.5463, 7.6672



13.7441, 21.5463, 9.7122



14.8358, 21.5463, 52.8842

Rectangle

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



29.1179, 21.5463, 46.3402



31.8054, 21.5463, 18.5881



13.7441, 21.5463, 9.7122



12.2225, 21.5463, 29.1171

Sweetspot

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



29.1186, 21.5472, 46.3407



68.7342, 65.7984, 87.3723



20.9076, 19.8215, 46.4403



14.5332, 13.6770, 18.7962



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.



29.1186, 21.5472, 46.3407



48.3267, 32.6830, 82.0559



30.2970, 22.4033, 35.1662



8.6825, 8.5603, 10.7010



13.8900, 6.4963, 30.6588



0.4790, 0.2260, 0.9666

Inverse Universe

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



27.4985, 21.2838, 20.4290



45.2923, 32.2935, 28.8318



26.2334, 37.6048, 26.2298



8.5627, 8.5318, 9.1954



13.3737, 6.8671, 1.8621



0.4409, 0.2241, 0.1645

Previews

White Background



This preview shows how the XYZ color 29.1179, 21.5463, 46.3402 looks on a white background.

Color Contrast Check

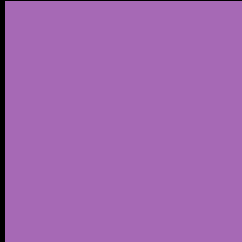
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1179, 21.5463, 46.3402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

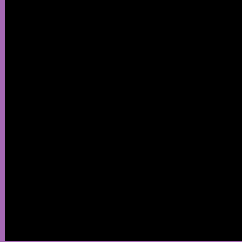
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.1179, 21.5463, 46.3402

Background



This preview shows how black text looks on a background with the XYZ color 29.1179, 21.5463, 46.3402.



This preview shows how white text looks on a background with the XYZ color 29.1179, 21.5463,

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

29.1179, 21.5463, 46.3402

Protanopia

23.1334, 21.8237, 56.4192

Deuteranopia

22.3352, 21.8638, 44.6379



Tritanopia

24.2277, 21.4980, 22.6113

Trichromacy



Original Color

29.1179, 21.5463, 46.3402

Protanomaly

24.4503, 21.1226, 52.6576

Deuteranomaly

24.1484, 21.3135, 44.9606

Tritanomaly

25.7914, 21.4626, 29.9775

Monochromacy



Original Color

29.1179, 21.5463, 46.3402

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.9662, 22.0504, 31.8472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1179, 21.5463, 46.3402 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(166, 105, 181)` looks like.

```
.text, #text, p{  
    color:rgb(166, 105, 181)  
}
```

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(166, 105, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 105, 181) }
```

Border

The CSS property to change the border of an element to XYZ 29.1179, 21.5463, 46.3402 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(166, 105, 181) }
```


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

```
.border{ border-color:rgb(166, 105, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 105, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 105, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 105, 181);  
box-shadow:4px 4px 4px 4px rgb(166, 105,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1179, 21.5463, 46.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 105, 181) }
```

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

```
.background{ background-color: rgb(166,  
105, 181) }
```

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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