

Converting Colors

XYZ(29.0707, 21.0462, 47.4611)

Have a look what the booklet for XYZ(29.0707, 21.0462, 47.4611) contains.

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Color

**XYZ(29.0245, 21.0286,
47.3289)**

Conversions

Conversions Part 1

Format	Color
Hex	A666B7
RGB	166, 102, 183
RGB Percent	65%, 40%, 72%
CMY	0.3490, 0.6000, 0.2824
CMYK	0.09, 0.44, 0.00, 0.28
HSL	287°, 36%, 56%
HSV	287°, 44%, 72%
XYZ	29.0245, 21.0286, 47.3289
YIQ	130.3700, 12.1430, 38.7590

Conversions

Conversions Part 2

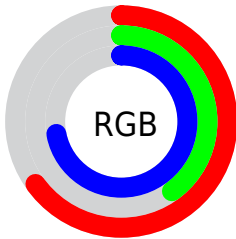
Format	Color
RYB	166, 102, 183
Decimal	10905271
CIELab	52.98, 39.37, -32.57
CIElCh	53, 51.097, 320.401
Yxy	21.0286, 0.2980, 0.2159
Android (android.graphics.Color)	4289095351 (0xFFA666B7)
YUV	130.3700, 25.9466, 31.2475
Hunter-Lab	45.8570, 32.7294, -29.0933

Details

The XYZ color **29.0245, 21.0286, 47.3289** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **26.9401, 38.7487, 18.6306**, and the grayscale version is **21.2576, 22.3647, 24.3551**.

A 20% lighter version of the original color is **57.4255, 45.2043, 87.3600**, and **11.9393, 7.5124, 21.9399** is the 20% darker color. If you saturate the color by 10%, you get **26.6277, 17.4119, 46.7574**, and if you desaturate by 10%, it is **31.8438, 25.4534, 48.0347**.

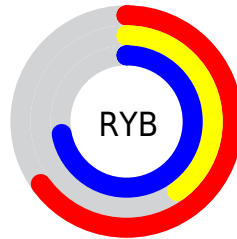
Distribution



Red (65%)

Green (40%)

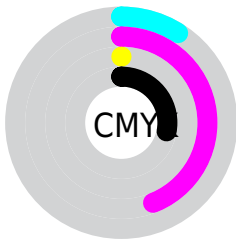
Blue (72%)



Red (65%)

Yellow (40%)

Blue (72%)

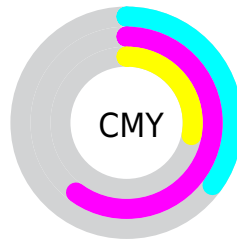


Cyan (9%)

Magenta (44%)

Yellow (0%)

Black (28%)



Cyan (35%)

Magenta (60%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0245, 21.0286, 47.3289 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 29.0245, 21.0286, 47.3289 by changing the saturation by 10% instead.

■ 29.0245, 21.0286,
47.3289

■ 29.0245, 21.0286,
47.3289

289.3227,
257.4304, 392.5575

■ 19.2437, 13.1449,
32.9395

■ 57.5133, 45.1351,
87.5595

■ 11.9516, 7.5284,
21.8094

■ 76.9520, 62.1268,
114.2378

■ 6.7827, 3.7947,
13.5199

■ 100.3408, 82.9231,
145.8494

■ 3.3717, 1.5594,
7.6526

■ 128.0450,
107.9087, 182.8130

■ 1.3532, 0.3300,
3.7889

160.4299,
137.4678, 225.5471

■ 0.2225, 0.0000,
1.5103

197.8609,

■ 0.0000, 0.0000,

171.9849, 274.4702

0.2256

240.7034,
211.8443, 330.0008

■ 0.0000, 0.0000,
0.0000

■ 29.0245, 21.0286,
47.3289

■ 29.0245, 21.0286,
47.3289

■ 26.6277, 17.4119,
46.7574

■ 31.8438, 25.4534,
48.0347

■ 24.6245, 14.5476,
46.3102

■ 35.1076, 30.7318,
48.8815

■ 22.9859, 12.3774,
45.9776

■ 38.8389, 36.9090,
49.8772

■ 21.6775, 10.8329,
45.7485

■ 43.0585, 44.0260,
51.0285

■ 20.6579, 9.8314,
45.6089

■ 47.7858, 52.1217,
52.3420

■ 20.1530, 9.4019,
45.5526

■ 53.0393, 61.2324,
53.8236

■ 58.8363, 71.3928,
55.4792

■ 65.1935, 82.6358,
57.3143

■ 68.2786, 87.2966,
58.0513

Harmonies

Analogous

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



23.7984, 21.0286, 63.1897



29.0245, 21.0286, 47.3289



31.9659, 21.0286, 28.1788

Triad

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



29.0245, 21.0286, 47.3289



21.7551, 21.0286, 4.3845



11.8011, 21.0286, 34.8010

Complementary

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



29.0245, 21.0286, 47.3289



26.9401, 38.7487, 18.6306

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.



11.4513, 21.0286, 18.3195



29.0245, 21.0286, 47.3289



16.6060, 21.0286, 4.8797

Square

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



29.0245, 21.0286, 47.3289



27.3010, 21.0286, 6.8546



13.0523, 21.0286, 8.7669



14.1121, 21.0286, 53.9932

Rectangle

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



29.0245, 21.0286, 47.3289



31.9317, 21.0286, 17.9715



13.0523, 21.0286, 8.7669



11.4686, 21.0286, 28.6480

Sweetspot

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



29.0252, 21.0295, 47.3294



70.3083, 67.3560, 89.5311



20.6900, 19.5695, 47.4869



15.1824, 14.2977, 19.6811



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.0252, 21.0295, 47.3294



47.8414, 31.4080, 83.7765



30.6299, 22.1106, 35.9347



9.1914, 9.0650, 11.3447



14.1174, 6.5890, 31.7808



0.5447, 0.2565, 1.1226

Inverse Universe

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



27.6102, 20.9027, 20.0329



45.2858, 31.3303, 27.6442



26.1121, 38.1716, 25.3778



9.0797, 9.0422, 9.7670



13.8929, 7.1309, 2.0571



0.5125, 0.2605, 0.1923

Previews

White Background



This preview shows how the XYZ color 29.0245, 21.0286, 47.3289 looks on a white background.

Color Contrast Check

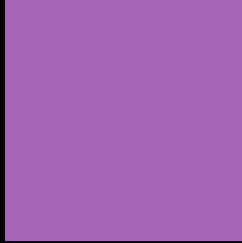
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0245, 21.0286, 47.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

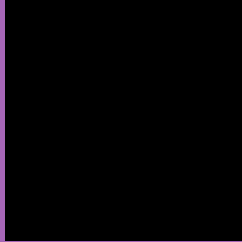
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.0245, 21.0286, 47.3289

Background



This preview shows how black text looks on a background with the XYZ color 29.0245, 21.0286, 47.3289.



This preview shows how white text looks on a background with the XYZ color 29.0245, 21.0286,

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

29.0245, 21.0286, 47.3289

Protanopia

22.7981, 21.2210, 58.7716

Deuteranopia

21.6546, 21.1100, 45.5811



Tritanopia

23.8694, 20.9858, 21.8614

Trichromacy



Original Color

29.0245, 21.0286, 47.3289

Protanomaly

24.1218, 20.5685, 54.3285

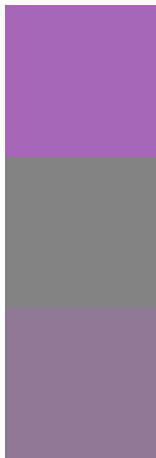
Deuteranomaly

23.6528, 20.6850, 45.9260

Tritanomaly

25.3847, 20.7733, 29.4598

Monochromacy



Original Color

29.0245, 21.0286, 47.3289

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.4690, 21.4425, 31.3356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0245, 21.0286, 47.3289 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, 102, 183)` looks like.

```
.text, #text, p{  
    color:rgb(166, 102, 183)  
}
```

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, 102, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 102, 183) }
```

Border

The CSS property to change the border of an element to XYZ 29.0245, 21.0286, 47.3289 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, 102, 183) }
```


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

```
.border{ border-color:rgb(166, 102, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 102, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 102, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 102, 183);  
box-shadow:4px 4px 4px 4px rgb(166, 102,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0245, 21.0286, 47.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 102, 183) }
```

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

```
.background{ background-color: rgb(166,  
102, 183) }
```

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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