

Converting Colors

XYZ(29.8078, 23.8698, 45.6841)

Have a look what the booklet for
XYZ(29.8078, 23.8698, 45.6841)
contains.

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Color

**XYZ(29.8078, 23.8698,
45.6841)**

Conversions

Conversions Part 1

Format	Color
Hex	A475B3
RGB	164, 117, 179
RGB Percent	64%, 46%, 70%
CMY	0.3569, 0.5412, 0.2980
CMYK	0.08, 0.35, 0.00, 0.30
HSL	285°, 29%, 58%
HSV	285°, 35%, 70%
XYZ	29.8078, 23.8698, 45.6841
YIQ	138.1210, 8.1100, 29.2460

Conversions

Conversions Part 2

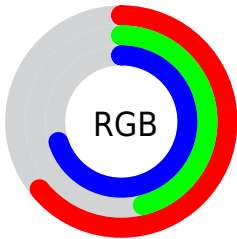
Format	Color
RYB	164, 117, 179
Decimal	10778035
CIELab	55.96, 29.54, -25.66
CIELCh	56, 39.133, 319.022
Yxy	23.8698, 0.3000, 0.2402
Android (android.graphics.Color)	4288968115 (0xFFA475B3)
YUV	138.1210, 20.1533, 22.6959
Hunter-Lab	48.8567, 23.4047, -21.2402

Details

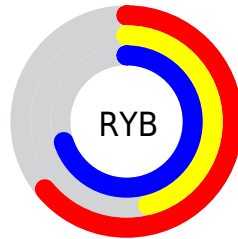
The XYZ color **29.8078, 23.8698, 45.6841** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.8476, 38.4307, 22.7282**, and the grayscale version is **24.1277, 25.3842, 27.6434**.

A 20% lighter version of the original color is **58.8853, 49.9633, 85.1375**, and **12.3886, 9.0201, 20.8268** is the 20% darker color. If you saturate the color by 10%, you get **27.0399, 19.6377, 45.0135**, and if you desaturate by 10%, it is **33.0065, 28.9172, 46.4901**.

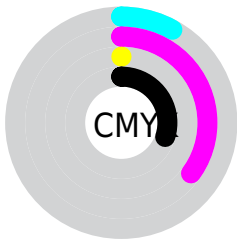
Distribution



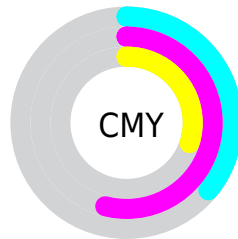
- Red (64%)
- Green (46%)
- Blue (70%)



- Red (64%)
- Yellow (46%)
- Blue (70%)



- Cyan (8%)
- Magenta (35%)
- Yellow (0%)
- Black (30%)





- Cyan (36%)
- Magenta (54%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8078, 23.8698, 45.6841 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 29.8078, 23.8698, 45.6841 by changing the saturation by 10% instead.

 29.8078, 23.8698,
45.6841

 29.8078, 23.8698,
45.6841


292.9335,
272.1616, 385.7778

 19.8401, 15.2371,
31.6497

 58.7468, 49.8176,
85.0753

 12.3864, 8.9859,
20.8315


 78.4488, 67.9016,
111.2693

 7.0815, 4.7320,
12.8109


 102.1263, 89.9046,
142.3535

 3.5599, 2.0909,
7.1692

130.1447,
116.2113, 178.7466

 1.4563, 0.6595,
3.4881

162.8692,
147.2059, 220.8670

 0.2958, 0.0000,
1.3490

200.6653,

 0.0000, 0.0000,

183.2729, 269.1333

0.1014

243.8982,
224.7967, 323.9640

■ 0.0000, 0.0000,
0.0000

■ 29.8078, 23.8698,
45.6841

■ 29.8078, 23.8698,
45.6841

■ 27.0399, 19.6377,
45.0135

■ 33.0065, 28.9172,
46.4901

■ 24.6772, 16.1721,
44.4691

■ 36.6550, 34.8189,
47.4370

■ 22.6953, 13.4236,
44.0430

■ 40.7738, 41.6152,
48.5317

■ 21.0656, 11.3358,
43.7259

■ 45.3814, 49.3428,
49.7804

■ 19.7554, 9.8434,
43.5069

■ 50.4956, 58.0364,
51.1889

■ 18.7250, 8.8679,
43.3729

■ 56.1328, 67.7288,
52.7626

■ 18.2404, 8.4633,
43.3204

■ 62.3089, 78.4515,
54.5068

■ 67.3564, 86.8686,
55.8654

■ 68.5193, 87.4681,
55.9199

Harmonies

Analogous

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



25.6031, 23.8698, 56.8635



29.8078, 23.8698, 45.6841



32.2051, 23.8698, 30.9607

Triad

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



29.8078, 23.8698, 45.6841



24.3625, 23.8698, 8.5510



15.4989, 23.8698, 34.8581

Complementary

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



29.8078, 23.8698, 45.6841



28.8476, 38.4307, 22.7282

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.



15.2583, 23.8698, 21.5823



29.8078, 23.8698, 45.6841



20.0022, 23.8698, 8.9836

Square

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



29.8078, 23.8698, 45.6841



28.7977, 23.8698, 11.4934



16.8023, 23.8698, 12.9682



17.5092, 23.8698, 49.3297

Rectangle

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



29.8078, 23.8698, 45.6841



32.2694, 23.8698, 22.3213



16.8023, 23.8698, 12.9682



15.2193, 23.8698, 30.0405

Sweetspot

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



29.8086, 23.8708, 45.6846



68.8359, 67.5932, 85.7999



23.7930, 23.6762, 45.9641



15.0268, 14.6069, 18.9497



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.



29.8086, 23.8708, 45.6846



49.3242, 36.5207, 80.8307



31.6082, 24.9696, 38.0400



8.6452, 8.5411, 10.6993



12.9500, 6.0118, 30.6148



0.4560, 0.2142, 0.9655

Inverse Universe

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



29.1174, 23.9733, 24.9236



48.0878, 36.8521, 37.0025



27.6562, 37.7024, 27.8304



8.5779, 8.5379, 9.2755



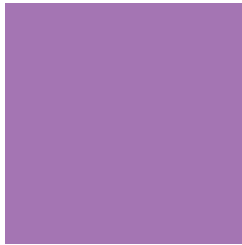
13.4711, 6.9060, 2.3746



0.4471, 0.2266, 0.1973

Previews

White Background



This preview shows how the XYZ color 29.8078, 23.8698, 45.6841 looks on a white background.

Color Contrast Check

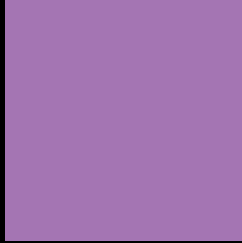
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8078, 23.8698, 45.6841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

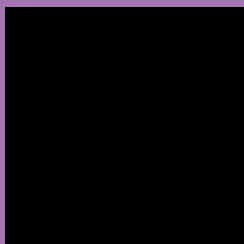
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.8078, 23.8698, 45.6841

Background



This preview shows how black text looks on a background with the XYZ color 29.8078, 23.8698, 45.6841.



This preview shows how white text looks on a background with the XYZ color 29.8078, 23.8698,

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

29.8078, 23.8698, 45.6841

Protanopia

24.8577, 23.9771, 52.6081

Deuteranopia

24.5452, 23.9971, 44.4125



Tritanopia

26.0053, 23.9684, 26.5483

Trichromacy



Original Color

29.8078, 23.8698, 45.6841

Protanomaly

26.2319, 23.7531, 50.2160

Deuteranomaly

26.1726, 23.8420, 44.8175

Tritanomaly

27.2477, 23.9065, 32.8841

Monochromacy



Original Color

29.8078, 23.8698, 45.6841

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.7650, 24.4682, 33.5019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8078, 23.8698, 45.6841 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(164, 117, 179)` looks like.

```
.text, #text, p{  
    color:rgb(164, 117, 179)  
}
```

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(164, 117, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 117, 179) }
```

Border

The CSS property to change the border of an element to XYZ 29.8078, 23.8698, 45.6841 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(164, 117, 179) }
```


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

```
.border{ border-color:rgb(164, 117, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 117, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 117, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 117, 179);  
box-shadow:4px 4px 4px 4px rgb(164, 117,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8078, 23.8698, 45.6841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 117, 179) }
```

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

```
.background{ background-color: rgb(164,  
117, 179) }
```

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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