

Converting Colors

XYZ(28.4040, 21.0478, 45.2118)

Have a look what the booklet for
XYZ(28.4040, 21.0478, 45.2118)
contains.

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Color

**XYZ(28.3968, 21.0478,
45.2138)**

Conversions

Conversions Part 1

Format	Color
Hex	A468B3
RGB	164, 104, 179
RGB Percent	64%, 41%, 70%
CMY	0.3569, 0.5921, 0.2980
CMYK	0.08, 0.42, 0.00, 0.30
HSL	288°, 33%, 55%
HSV	288°, 42%, 70%
XYZ	28.3968, 21.0478, 45.2138
YIQ	130.4900, 11.6850, 36.0450

Conversions

Conversions Part 2

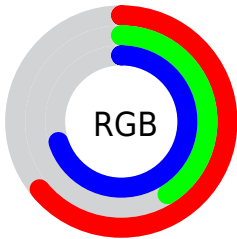
Format	Color
RYB	164, 104, 179
Decimal	10774707
CIELab	53.00, 36.84, -30.24
CIELCh	53, 47.660, 320.614
Yxy	21.0478, 0.3000, 0.2224
Android (android.graphics.Color)	4288964787 (0xFFA468B3)
YUV	130.4900, 23.9154, 29.3883
Hunter-Lab	45.8779, 30.1989, -26.3173

Details

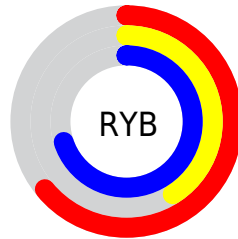
The XYZ color **28.3968, 21.0478, 45.2138** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.2273, 37.1622, 18.8884**, and the grayscale version is **21.3072, 22.4169, 24.4120**.

A 20% lighter version of the original color is **56.3991, 44.9907, 84.3088**, and **11.6406, 7.5242, 20.5775** is the 20% darker color. If you saturate the color by 10%, you get **26.0544, 17.4439, 44.6420**, and if you desaturate by 10%, it is **31.1439, 25.4291, 45.9150**.

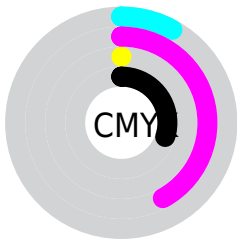
Distribution



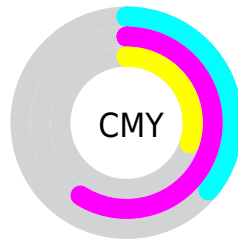
- Red (64%)
- Green (41%)
- Blue (70%)



- Red (64%)
- Yellow (41%)
- Blue (70%)



- Cyan (8%)
- Magenta (42%)
- Yellow (0%)
- Black (30%)



- Cyan (36%)
- Magenta (59%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3968, 21.0478, 45.2138 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 28.3968, 21.0478, 45.2138 by changing the saturation by 10% instead.

■ 28.3968, 21.0478,
45.2138

■ 28.3968, 21.0478,
45.2138

286.4040,
257.5324, 383.8241

■ 18.7670, 13.1589,
31.2817

■ 56.5216, 45.1671,
84.3630

■ 11.6050, 7.5381,
20.5532

■ 75.7472, 62.1663,
110.4172

■ 6.5456, 3.8008,
12.6097

■ 98.9021, 82.9711,
141.3491

■ 3.2234, 1.5628,
7.0328

■ 126.3517,
107.9658, 177.5773

■ 1.2730, 0.3323,
3.4039

158.4614,
137.5349, 219.5204

■ 0.1628, 0.0000,
1.3044

195.5964,

■ 0.0000, 0.0000,

172.0628, 267.5969

0.0654

238.1221,
211.9338, 322.2253

0.0000, 0.0000,
0.0000

28.3968, 21.0478,
45.2138

28.3968, 21.0478,
45.2138

26.0544, 17.4439,
44.6420

31.1439, 25.4291,
45.9150

24.0899, 14.5657,
44.1900

34.3159, 30.6296,
46.7516

22.4766, 12.3597,
43.8492

37.9343, 36.6915,
47.7310

21.1833, 10.7634,
43.6092

42.0184, 43.6533,
48.8595

20.1727, 9.7028,
43.4578

46.5864, 51.5509,
50.1431

■ 19.4992, 9.1123,
43.3793

■ 51.6554, 60.4185,
51.5876

■ 57.2417, 70.2884,
53.1982

■ 63.3610, 81.1915,
54.9802

■ 66.7193, 86.5402,
55.8356

Harmonies

Analogous

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



23.5858, 21.0478, 59.5711



28.3968, 21.0478, 45.2138



31.0728, 21.0478, 27.7093

Triad

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



28.3968, 21.0478, 45.2138



21.6151, 21.0478, 5.0688



12.2865, 21.0478, 34.0462

Complementary

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



28.3968, 21.0478, 45.2138



26.2273, 37.1622, 18.8884

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.



11.9380, 21.0478, 18.7126



28.3968, 21.0478, 45.2138



16.8069, 21.0478, 5.5962

Square

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



28.3968, 21.0478, 45.2138



26.7494, 21.0478, 7.5409



13.4549, 21.0478, 9.5066



14.5023, 21.0478, 51.4761

Rectangle

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



28.3968, 21.0478, 45.2138



31.0248, 21.0478, 18.2096



13.4549, 21.0478, 9.5066



11.9633, 21.0478, 28.3740

Sweetspot

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



28.3975, 21.0487, 45.2143



67.0351, 64.1869, 85.2374



20.4433, 19.3923, 45.3138



14.5268, 13.6737, 18.7959



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.



28.3975, 21.0487, 45.2143



47.0715, 31.8583, 80.0495



29.5846, 21.9025, 34.3439



8.6802, 8.5592, 10.7009



13.8326, 6.4667, 30.6561



0.4776, 0.2253, 0.9666

Inverse Universe

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



26.8712, 20.8171, 20.0555



44.2202, 31.5315, 28.2698



25.6280, 36.7031, 25.6428



8.5636, 8.5321, 9.2001



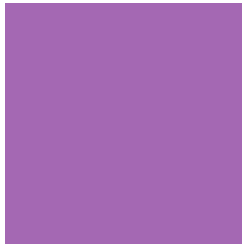
13.3790, 6.8691, 1.8896



0.4413, 0.2243, 0.1665

Previews

White Background



This preview shows how the XYZ color 28.3968, 21.0478, 45.2138 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 28.3968, 21.0478, 45.2138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

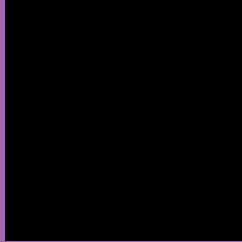
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.3968, 21.0478, 45.2138

Background



This preview shows how black text looks on a background with the XYZ color 28.3968, 21.0478, 45.2138.



This preview shows how white text looks on a background with the XYZ color 28.3968, 21.0478,

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

28.3968, 21.0478, 45.2138

Protanopia

22.6642, 21.4195, 55.1644

Deuteranopia

21.6270, 21.1419, 43.4984



Tritanopia

23.6574, 21.0394, 22.2162

Trichromacy



Original Color

28.3968, 21.0478, 45.2138

Protanomaly

23.9677, 20.7254, 51.4524

Deuteranomaly

23.4037, 20.6030, 43.8176

Tritanomaly

25.2031, 21.0036, 29.5138

Monochromacy



Original Color

28.3968, 21.0478, 45.2138

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.3380, 21.5636, 30.9491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3968, 21.0478, 45.2138 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, 104, 179)` looks like.

```
.text, #text, p{  
    color:rgb(164, 104, 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, 104, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 104, 179) }
```

Border

The CSS property to change the border of an element to XYZ 28.3968, 21.0478, 45.2138 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, 104, 179) }
```


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

```
.border{ border-color:rgb(164, 104, 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, 104, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 104, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 104, 179);  
box-shadow:4px 4px 4px 4px rgb(164, 104,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3968, 21.0478, 45.2138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 104, 179) }
```

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

```
.background{ background-color: rgb(164,  
104, 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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