

# Converting Colors

XYZ(28.0306, 21.3953, 20.5279)

Have a look what the booklet for  
XYZ(28.0306, 21.3953, 20.5279)  
contains.

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# Color

**XYZ(28.1076, 21.4470,  
20.4276)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">B86878</a>
RGB	<a href="#">184, 104, 120</a>
RGB Percent	<a href="#">72%, 41%, 47%</a>
CMY	<a href="#">0.2784, 0.5921, 0.5294</a>
CMYK	<a href="#">0.00, 0.43, 0.35, 0.28</a>
HSL	<a href="#">348°, 36%, 56%</a>
HSV	<a href="#">348°, 43%, 72%</a>
XYZ	<a href="#">28.1076, 21.4470, 20.4276</a>
YIQ	<a href="#">129.7440, 42.5440, 21.9360</a>

# Conversions

## Conversions Part 2

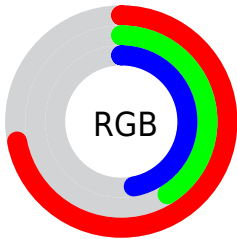
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 104, 120
Decimal	12085368
CIELab	53.44, 33.83, 5.22
CIELCh	53, 34.229, 8.775
Yxy	21.4470, 0.4016, 0.3065
Android (android.graphics.Color)	4290275448 (0xFFB86878)
YUV	129.7440, -4.8038, 47.5825
Hunter-Lab	46.3109, 27.2934, 6.2650

# Details

The XYZ color **28.1076, 21.4470, 20.4276** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **29.9182, 40.0516, 43.2016**, and the grayscale version is **21.1341, 22.2347, 24.2136**.

A 20% lighter version of the original color is **56.1213, 45.9697, 44.9449**, and **11.3910, 7.6954, 7.0159** is the 20% darker color. If you saturate the color by 10%, you get **25.6277, 17.8087, 15.5269**, and if you desaturate by 10%, it is **31.1301, 25.9505, 26.1872**.

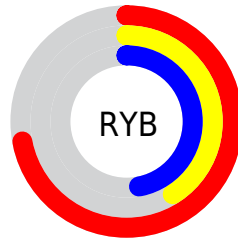
# Distribution



Red (72%)

Green (41%)

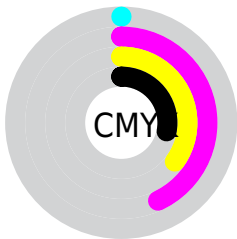
Blue (47%)



Red (72%)

Yellow (41%)

Blue (47%)

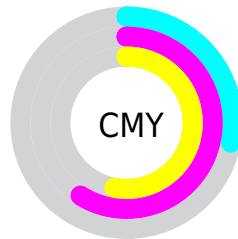


Cyan (0%)

Magenta (43%)

Yellow (35%)

Black (28%)



Cyan (28%)

Magenta (59%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1076, 21.4470, 20.4276 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 28.1076, 21.4470, 20.4276 by changing the saturation by 10% instead.





 28.1076, 21.4470,  
20.4276


 28.1076, 21.4470,  
20.4276


285.0515,  
259.6446, 266.9010


 18.5477, 13.4511,  
12.5191


 56.0636, 45.8303,  
45.0013


 11.4459, 7.7399,  
6.9714


 75.1904, 62.9865,  
62.5036

 6.4371, 3.9290,  
3.3661


 98.2369, 83.9650,  
84.0408

 3.1558, 1.6339,  
1.2845

 125.5683,  
109.1500, 110.0316

 1.2367, 0.3803,  
0.0490

157.5502,  
138.9262, 140.8945

 0.1350, 0.0000,  
0.0000

194.5477,

 0.0000, 0.0000,

173.6777, 177.0480

0.0000

236.9264,  
213.7890, 218.9107

■ 28.1076, 21.4470,  
20.4276

■ 28.1076, 21.4470,  
20.4276

■ 25.6277, 17.8087,  
15.5269

■ 31.1301, 25.9505,  
26.1872

■ 23.6559, 14.9768,  
11.4422

■ 34.7235, 31.3667,  
32.8435

■ 22.1562, 12.8903,  
8.1284


■ 38.9161, 37.7434,  
40.4333


■ 21.0872, 11.4777,  
5.5356

■ 43.7340, 45.1241,  
48.9910


■ 20.3997, 10.6538,  
3.6072


■ 49.2014, 53.5497,  
58.5493

 20.0978, 10.3226,  
2.6664

 55.3415, 63.0588,  
69.1392

 62.1763, 73.6880,  
80.7906

 69.7267, 85.4721,  
93.5320

 73.1752, 88.7695,  
105.7783

# Harmonies

## Analogous

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



27.6241, 21.4470, 31.3801



28.1076, 21.4470, 20.4276



26.3379, 21.4470, 12.9199

# Triad

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



28.1076, 21.4470, 20.4276



16.3108, 21.4470, 10.9585



17.9561, 21.4470, 47.4424

# Complementary

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



28.1076, 21.4470, 20.4276



29.9182, 40.0516, 43.2016

# 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.



15.4038, 21.4470, 38.2769



28.1076, 21.4470, 20.4276



14.5355, 21.4470, 16.8254

# Square

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



28.1076, 21.4470, 20.4276



19.3362, 21.4470, 8.6231



14.2244, 21.4470, 26.5433



21.4705, 21.4470, 49.2687



# Rectangle

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



28.1076, 21.4470, 20.4276



24.2296, 21.4470, 10.0700



14.2244, 21.4470, 26.5433



16.9698, 21.4470, 45.0103

# Sweetspot

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



28.1082, 21.4481, 20.4280



70.7571, 68.7423, 73.6744



29.7512, 21.6873, 47.9653



14.8716, 14.2364, 15.1966



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.



28.1082, 21.4481, 20.4280



46.7027, 32.6399, 28.6418



29.9857, 26.6292, 16.6576



9.0761, 9.0408, 9.7481



13.8721, 7.1226, 1.9472



0.5110, 0.2599, 0.1843



# Inverse Universe

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



28.1082, 21.4481, 20.4280



46.7027, 32.6399, 28.6418



26.9323, 31.5462, 50.0169



9.0761, 9.0408, 9.7481



13.8721, 7.1226, 1.9472



0.5110, 0.2599, 0.1843



# Previews

## White Background



This preview shows how the XYZ color 28.1076, 21.4470, 20.4276 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 28.1076, 21.4470, 20.4276 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

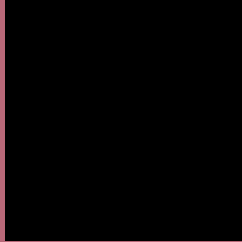
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 28.1076, 21.4470, 20.4276**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.1076, 21.4470, 20.4276.



This preview shows how white text looks on a background with the XYZ color 28.1076, 21.4470,



# 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

28.1076, 21.4470, 20.4276

### Protanopia

20.8763, 21.5393, 25.2475

### Deuteranopia

22.0956, 21.7194, 19.8573



## Tritanopia

27.5607, 21.3627, 18.2936

# Trichromacy



## Original Color

28.1076, 21.4470, 20.4276

## Protanomaly

22.8875, 21.1417, 23.2965

## Deuteranomaly

23.9294, 21.4015, 20.0092

## Tritanomaly

27.7324, 21.4314, 19.1980

# Monochromacy



## Original Color

28.1076, 21.4470, 20.4276

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

23.1809, 21.6651, 22.6987

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.1076, 21.4470, 20.4276 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(184, 104, 120)` looks like.

```
.text, #text, p{  
    color:rgb(184, 104, 120)  
}
```

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(184, 104, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 104, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 28.1076, 21.4470, 20.4276 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(184, 104, 120) }
```



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

```
.border{ border-color:rgb(184, 104, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 104, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 104, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 104, 120);  
box-shadow:4px 4px 4px 4px rgb(184, 104,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.1076, 21.4470, 20.4276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 104, 120) }
```

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

```
.background{ background-color: rgb(184,  
104, 120) }
```

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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