

Converting Colors

XYZ(28.3528, 20.9820, 37.9089)

Have a look what the booklet for
XYZ(28.3528, 20.9820, 37.9089)
contains.

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Color

**XYZ(28.3457, 21.0388,
37.6889)**

Conversions

Conversions Part 1

Format	Color
Hex	AB67A4
RGB	171, 103, 164
RGB Percent	67%, 40%, 64%
CMY	0.3294, 0.5961, 0.3569
CMYK	0.00, 0.40, 0.04, 0.33
HSL	306°, 29%, 54%
HSV	306°, 40%, 67%
XYZ	28.3457, 21.0388, 37.6889
YIQ	130.2860, 20.9470, 33.3870

Conversions

Conversions Part 2

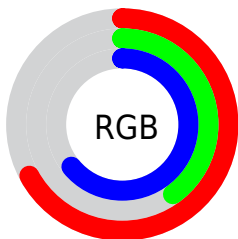
Format	Color
R _{YB}	171, 103, 164
Decimal	11233188
CIE _{Lab}	52.99, 36.68, -21.47
CIE _{LCh}	53, 42.501, 329.651
Yxy	21.0388, 0.3255, 0.2416
Android (android.graphics.Color)	4289423268 (0xFFAB67A4)
YUV	130.2860, 16.6210, 35.7062
Hunter-Lab	45.8681, 30.0409, -16.6098

Details

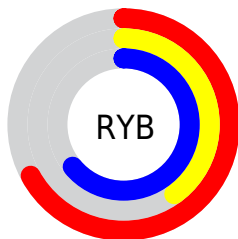
The XYZ color **28.3457, 21.0388, 37.6889** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.9718, 33.1359, 19.9383**, and the grayscale version is **21.2578, 22.3648, 24.3553**.

A 20% lighter version of the original color is **56.3532, 45.2223, 72.7765**, and **11.5339, 7.4980, 16.1686** is the 20% darker color. If you saturate the color by 10%, you get **26.6579, 17.9155, 36.3475**, and if you desaturate by 10%, it is **30.3849, 24.8605, 39.1587**.

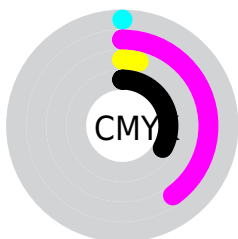
Distribution



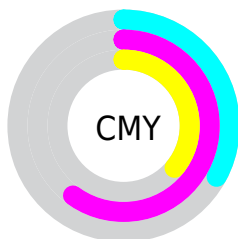
- Red (67%)
- Green (40%)
- Blue (64%)



- Red (67%)
- Yellow (40%)
- Blue (64%)



- Cyan (0%)
- Magenta (40%)
- Yellow (4%)
- Black (33%)





- Cyan (33%)
- Magenta (60%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3457, 21.0388, 37.6889 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 28.3457, 21.0388, 37.6889 by changing the saturation by 10% instead.


 28.3457, 21.0388,
37.6889


 28.3457, 21.0388,
37.6889


286.1653,
257.4846, 351.5416

 18.7282, 13.1524,
25.4414


 56.4407, 45.1521,
72.8292


 11.5769, 7.5336,
16.1842


 75.6489, 62.1478,
96.5590

 6.5264, 3.7980,
9.4988


 98.7847, 82.9486,
124.9533

 3.2114, 1.5612,
4.9667

 126.2135,
107.9390, 158.4307

 1.2665, 0.3312,
2.1693

158.3006,
137.5035, 197.4097

 0.1579, 0.0000,
0.6566

195.4113,

 0.0000, 0.0000,

172.0263, 242.3088

0.0000

237.9112,
211.8919, 293.5466

■ 28.3457, 21.0388,
37.6889

■ 28.3457, 21.0388,
37.6889

■ 26.6579, 17.9155,
36.3475

■ 30.3849, 24.8605,
39.1587

■ 25.2981, 15.4451,
35.1260

■ 32.7929, 29.4169,
40.7622

■ 24.2433, 13.5811,
34.0170

■ 35.5887, 34.7451,
42.5059

■ 23.4665, 12.2698,
33.0113

■ 38.7890, 40.8789,
44.3954

■ 22.9362, 11.4480,
32.0986

■ 42.4098, 47.8500,
46.4360

■ 22.5852, 10.9812,
31.2562

■ 46.4661, 55.6887,
48.6330

■ 22.5774, 10.9711,
31.2366

■ 50.9723, 64.4233,
50.9910

■ 55.9419, 74.0812,
53.5146

■ 60.7772, 83.4670,
56.0047

Harmonies

Analogous

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



24.5453, 21.0388, 51.5591



28.3457, 21.0388, 37.6889



29.8541, 21.0388, 23.0575

Triad

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



28.3457, 21.0388, 37.6889



20.0490, 21.0388, 6.0816



13.4328, 21.0388, 37.3291

Complementary

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



28.3457, 21.0388, 37.6889



22.9718, 33.1359, 19.9383

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.



12.5900, 21.0388, 22.7585



28.3457, 21.0388, 37.6889



16.0480, 21.0388, 7.5086

Square

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



28.3457, 21.0388, 37.6889



24.6492, 21.0388, 7.5799



13.4729, 21.0388, 12.6060



15.9700, 21.0388, 51.3027

Rectangle

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



28.3457, 21.0388, 37.6889



29.2068, 21.0388, 15.6026



13.4729, 21.0388, 12.6060



12.9603, 21.0388, 32.1972

Sweetspot

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



28.3464, 21.0397, 37.6893



62.4451, 59.7586, 75.3366



18.6075, 15.9441, 40.6254



13.7818, 13.0522, 16.7117



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



28.3464, 21.0397, 37.6893



47.9941, 32.5476, 65.3065



25.6884, 19.9765, 23.6925



8.3010, 8.1337, 9.8959



17.0311, 8.2750, 23.6069



0.4838, 0.2342, 0.7093

Inverse Universe

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



28.3464, 21.0397, 37.6893



47.9941, 32.5476, 65.3065



25.1760, 34.0176, 31.5455



8.3010, 8.1337, 9.8959



17.0311, 8.2750, 23.6069



0.4838, 0.2342, 0.7093

Previews

White Background



This preview shows how the XYZ color 28.3457, 21.0388, 37.6889 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 28.3457, 21.0388, 37.6889 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 28.3457, 21.0388, 37.6889

Background



This preview shows how black text looks on a background with the XYZ color 28.3457, 21.0388, 37.6889.



This preview shows how white text looks on a background with the XYZ color 28.3457, 21.0388,

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

28.3457, 21.0388, 37.6889

Protanopia

21.9808, 21.2546, 46.6601

Deuteranopia

21.5789, 21.0909, 36.1913



Tritanopia

24.9712, 21.0758, 20.8411

Trichromacy



Original Color

28.3457, 21.0388, 37.6889

Protanomaly

23.6149, 20.7233, 43.3128

Deuteranomaly

23.4936, 20.6394, 36.4638

Tritanomaly

26.1324, 21.0683, 26.3562

Monochromacy



Original Color

28.3457, 21.0388, 37.6889

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.2760, 21.4057, 28.4961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3457, 21.0388, 37.6889 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(171, 103, 164)` looks like.

```
.text, #text, p{  
    color:rgb(171, 103, 164)  
}
```

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(171, 103, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 103, 164) }
```

Border

The CSS property to change the border of an element to XYZ 28.3457, 21.0388, 37.6889 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(171, 103, 164) }
```


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

```
.border{ border-color:rgb(171, 103, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 103, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 103, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 103, 164);  
box-shadow:4px 4px 4px 4px rgb(171, 103,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3457, 21.0388, 37.6889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 103, 164) }
```

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

```
.background{ background-color: rgb(171,  
103, 164) }
```

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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