

Converting Colors

XYZ(28.9888, 22.6673, 16.1675)

Have a look what the booklet for
XYZ(28.9888, 22.6673, 16.1675)
contains.

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Color

**XYZ(28.8986, 22.5639,
16.1967)**

Conversions

Conversions Part 1

Format	Color
Hex	BD6C69
RGB	189, 108, 105
RGB Percent	74%, 42%, 41%
CMY	0.2588, 0.5764, 0.5882
CMYK	0.00, 0.43, 0.44, 0.26
HSL	2°, 39%, 58%
HSV	2°, 44%, 74%
XYZ	28.8986, 22.5639, 16.1967
YIQ	131.8770, 49.2390, 16.2390

Conversions

Conversions Part 2

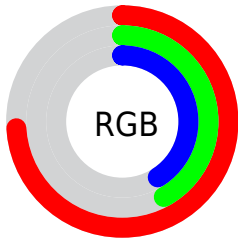
Format	Color
R_{YB}	189, 108, 105
Decimal	12414057
CIE Lab	54.62, 31.82, 15.79
CIE LCh	55, 35.519, 26.392
Yxy	22.5639, 0.4271, 0.3335
Android (android.graphics.Color)	4290604137 (0xFFBD6C69)
YUV	131.8770, -13.2504, 50.0969
Hunter-Lab	47.5015, 25.4669, 13.0348

Details

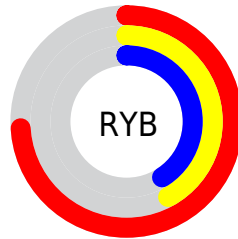
The XYZ color **28.8986, 22.5639, 16.1967** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **32.5688, 41.7929, 54.4942**, and the grayscale version is **21.9222, 23.0639, 25.1166**.

A 20% lighter version of the original color is **57.4570, 47.8465, 37.6595**, and **11.7925, 8.2371, 4.9714** is the 20% darker color. If you saturate the color by 10%, you get **26.3077, 18.7679, 11.0614**, and if you desaturate by 10%, it is **32.1082, 27.2520, 22.6037**.

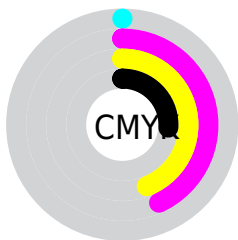
Distribution



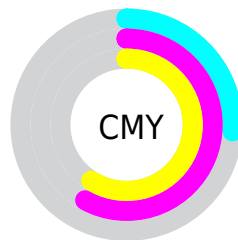
- Red (74%)
- Green (42%)
- Blue (41%)



- Red (74%)
- Yellow (42%)
- Blue (41%)



- Cyan (0%)
- Magenta (43%)
- Yellow (44%)
- Black (26%)





- Cyan (26%)
- Magenta (58%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8986, 22.5639, 16.1967 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 28.8986, 22.5639, 16.1967 by changing the saturation by 10% instead.


 28.8986, 22.5639,
16.1967


 28.8986, 22.5639,
16.1967


288.7391,
265.4771, 242.3848


 19.1480, 14.2718,
9.5076


 57.3146, 47.6763,
37.7109


 11.8819, 8.3100,
4.9724


 76.7108, 65.2653,
53.3730

 6.7350, 4.2939,
2.1726


 100.0528, 86.7222,
72.8633

 3.3417, 1.8393,
0.6585

 127.7061,
112.4312, 96.6002

 1.3370, 0.5115,
0.0000

160.0361,
142.7768, 125.0022

 0.2106, 0.0000,
0.0000

197.4080,

 0.0000, 0.0000,

178.1434, 158.4880

0.0000

240.1872,
218.9154, 197.4760

■ 28.8986, 22.5639,
16.1967

■ 28.8986, 22.5639,
16.1967

■ 26.3077, 18.7679,
11.0614

■ 32.1082, 27.2520,
22.6037

■ 24.2942, 15.8042,
7.1119

■ 35.9711, 32.8800,
30.3581

■ 22.8143, 13.6115,
4.2538


■ 40.5211, 39.4967,
39.5310


■ 21.8172, 12.1180,
2.3777


■ 45.7895, 47.1461,
50.1882


■ 21.2424, 11.2392,
1.3514


■ 51.8054, 55.8699,
62.3916

 21.0596, 10.9655,
1.0066

 58.5964, 65.7074,
76.1992

 66.1887, 76.6958,
91.6663

 74.4134, 88.7932,
107.8245

 74.7962, 89.5588,
107.9521

Harmonies

Analogous

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



29.8452, 22.5639, 25.9462



28.8986, 22.5639, 16.1967



25.8758, 22.5639, 10.6597

Triad

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



28.8986, 22.5639, 16.1967



15.7818, 22.5639, 14.4857



20.9774, 22.5639, 52.8796

Complementary

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



28.8986, 22.5639, 16.1967



32.5688, 41.7929, 54.4942

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.



17.5535, 22.5639, 47.1776



28.8986, 22.5639, 16.1967



14.7925, 22.5639, 23.2400

Square

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



28.8986, 22.5639, 16.1967



18.2793, 22.5639, 9.9030



15.3998, 22.5639, 35.4184



24.9595, 22.5639, 49.2989

Rectangle

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



28.8986, 22.5639, 16.1967



23.2615, 22.5639, 9.0361



15.3998, 22.5639, 35.4184



19.7281, 22.5639, 51.9500

Sweetspot

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



28.8992, 22.5650, 16.1971



73.6692, 72.3305, 73.0132



34.9220, 24.4757, 49.4494



15.4235, 14.9460, 14.8556



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



28.8992, 22.5650, 16.1971



47.3643, 33.9759, 20.2982



34.4105, 33.5877, 18.0342



9.5568, 9.5896, 9.9239



14.1816, 7.4020, 0.6813



0.5650, 0.3089, 0.0298

Inverse Universe

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



32.5688, 41.7929, 54.4942



54.7353, 72.6425, 97.3628



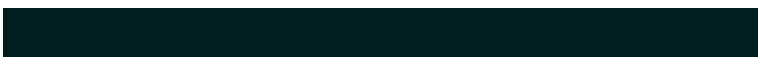
25.0147, 26.6846, 51.9761



9.7785, 10.7494, 12.2317



17.4806, 25.0729, 36.3111



0.6939, 1.0005, 1.4254

Previews

White Background



This preview shows how the XYZ color 28.8986, 22.5639, 16.1967 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 28.8986, 22.5639, 16.1967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

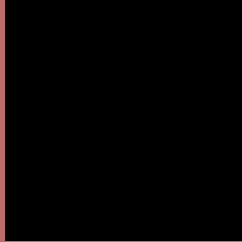
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.8986, 22.5639, 16.1967

Background



This preview shows how black text looks on a background with the XYZ color 28.8986, 22.5639, 16.1967.



This preview shows how white text looks on a background with the XYZ color 28.8986, 22.5639,

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

28.8986, 22.5639, 16.1967

Protanopia

21.5852, 22.8119, 19.7885

Deuteranopia

23.1856, 22.7510, 15.7398



Tritanopia

29.5302, 22.6774, 18.7404

Trichromacy



Original Color

28.8986, 22.5639, 16.1967

Protanomaly

23.7179, 22.4037, 18.4035

Deuteranomaly

24.9814, 22.3884, 15.8367

Tritanomaly

29.3621, 22.6102, 17.8556

Monochromacy



Original Color

28.8986, 22.5639, 16.1967

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.7327, 22.3434, 21.4742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8986, 22.5639, 16.1967 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(189, 108, 105)` looks like.

```
.text, #text, p{  
    color:rgb(189, 108, 105)  
}
```

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(189, 108, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 108, 105) }
```

Border

The CSS property to change the border of an element to XYZ 28.8986, 22.5639, 16.1967 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(189, 108, 105) }
```


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

```
.border{ border-color:rgb(189, 108, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 108, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 108, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 108, 105);  
box-shadow:4px 4px 4px 4px rgb(189, 108,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8986, 22.5639, 16.1967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 108, 105) }
```

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

```
.background{ background-color: rgb(189,  
108, 105) }
```

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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