

Converting Colors

XYZ(28.6729, 40.7554, 27.8530)

Have a look what the booklet for
XYZ(28.6729, 40.7554, 27.8530)
contains.

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Color

**XYZ(28.6771, 40.6901,
27.8153)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 71BB83 |
| RGB | 113, 187, 131 |
| RGB Percent | 44%, 73%, 51% |
| CMY | 0.5569, 0.2667, 0.4863 |
| CMYK | 0.40, 0.00, 0.30, 0.27 |
| HSL | 135°, 35%, 59% |
| HSV | 135°, 40%, 73% |
| XYZ | 28.6771, 40.6901, 27.8153 |
| YIQ | 158.4900, -26.1280, -33.1040 |

Conversions

Conversions Part 2

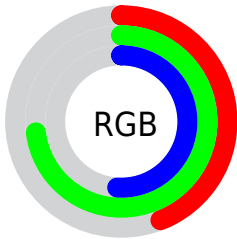
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 113, 173, 187 |
| Decimal | 7453571 |
| CIELab | 69.96, -35.16, 21.30 |
| CIELCh | 70, 41.106, 148.789 |
| Yxy | 40.6901, 0.2951, 0.4187 |
| Android (android.graphics.Color) | 4285643651 (0xFF71BB83) |
| YUV | 158.4900, -13.5526, -39.8947 |
| Hunter-Lab | 63.7888, -31.3833, 18.7986 |

Details

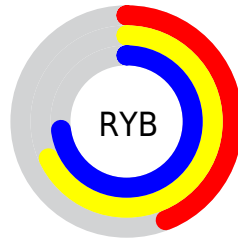
The XYZ color **28.6771, 40.6901, 27.8153** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **33.5614, 25.2404, 40.6405**, and the grayscale version is **32.7911, 34.4988, 37.5692**.

A 20% lighter version of the original color is **57.1509, 76.4869, 57.0987**, and **11.7362, 18.3298, 10.7040** is the 20% darker color. If you saturate the color by 10%, you get **25.6202, 39.2187, 23.0032**, and if you desaturate by 10%, it is **32.3629, 42.4728, 33.3425**.

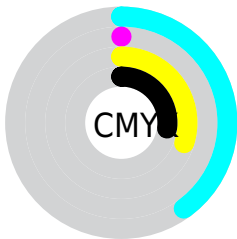
Distribution



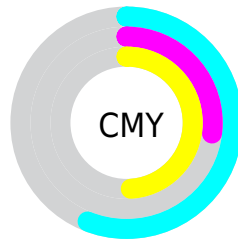
- Red (44%)
- Green (73%)
- Blue (51%)



- Red (44%)
- Yellow (68%)
- Blue (73%)



- Cyan (40%)
- Magenta (0%)
- Yellow (30%)
- Black (27%)




- Cyan (56%)
- Magenta (27%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6771, 40.6901, 27.8153 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 28.6771, 40.6901, 27.8153 by changing the saturation by 10% instead.


 28.6771, 40.6901,
27.8153


 28.6771, 40.6901,
27.8153


287.7101,
349.0237, 305.4674


 18.9797, 28.0770,
17.9486


 56.9648, 76.2132,
57.2090

 11.7596, 18.3837,
10.7441


 76.2858, 99.8921,
77.5731

 6.6512, 11.2258,
5.7830


 99.5455, 128.0283,
102.2734

 3.2893, 6.2189,
2.6469

127.1091,
161.0063, 131.7285

 1.3085, 2.9787,
0.9165

159.3420,
199.2104, 166.3569

 0.1896, 1.1206,
0.0000

196.6095,

 0.0000, 0.0000,

243.0251, 206.5772

0.0000

239.2771,
292.8347, 252.8078

■ 28.6771, 40.6901,
27.8153

■ 28.6771, 40.6901,
27.8153

■ 25.6202, 39.2187,
23.0032

■ 32.3629, 42.4728,
33.3425

■ 23.1530, 38.0357,
18.8742

■ 36.7074, 44.5783,
39.6096

■ 21.2370, 37.1229,
15.3979


■ 41.7423, 47.0234,
46.6436


■ 19.8272, 36.4579,
12.5408


■ 47.4964, 49.8225,
54.4691


■ 18.8716, 36.0146,
10.2658


■ 53.9968, 52.9891,
63.1100


 18.2761, 35.7454,
8.5307

 61.2690, 56.5358,
72.5889

 18.2543, 35.7355,
8.4678

 69.3376, 60.4748,
82.9275

 75.3729, 63.3470,
94.0133

 77.0611, 64.0223,
102.9037

Harmonies

Analogous

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



32.8010, 40.6901, 19.2131



28.6771, 40.6901, 27.8153



27.1800, 40.6901, 43.5299

Triad

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



28.6771, 40.6901, 27.8153



38.4032, 40.6901, 92.3270



51.0885, 40.6901, 28.8168

Complementary

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



28.6771, 40.6901, 27.8153



33.5614, 25.2404, 40.6405

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.



53.0244, 40.6901, 45.0885



28.6771, 40.6901, 27.8153



45.2109, 40.6901, 85.1035

Square

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



28.6771, 40.6901, 27.8153



32.3805, 40.6901, 83.9050



50.7616, 40.6901, 66.2853



45.7359, 40.6901, 19.6630

Rectangle

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



28.6771, 40.6901, 27.8153



27.7235, 40.6901, 57.2705



50.7616, 40.6901, 66.2853



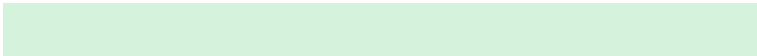
52.1859, 40.6901, 33.4601

Sweetspot

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



28.6782, 40.6918, 27.8162



72.2710, 83.0069, 80.0976



37.2725, 45.2513, 22.3929



15.6492, 18.1502, 17.2689



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.



28.6782, 40.6918, 27.8162



46.7961, 70.6762, 42.6671



31.5813, 41.8531, 43.1040



9.5014, 10.6867, 10.6238



12.6012, 24.6308, 5.9627



0.5204, 0.9755, 0.3746

Inverse Universe

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



33.5614, 25.2404, 40.6405



56.6828, 39.3459, 68.5972



30.6150, 24.0619, 25.1252



9.8281, 9.6555, 11.4835



17.4887, 8.6266, 18.3991



0.7093, 0.3476, 0.8486

Previews

White Background



This preview shows how the XYZ color 28.6771, 40.6901, 27.8153 looks on a white background.

Color Contrast Check

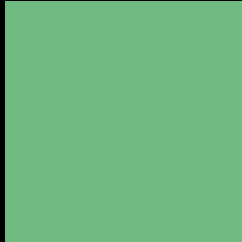
Large Text (above 18pt) WCAG AA × Fail

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 28.6771, 40.6901, 27.8153 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 ✓ Pass

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

XYZ 28.6771, 40.6901, 27.8153

Background



This preview shows how black text looks on a background with the XYZ color 28.6771, 40.6901, 27.8153.



This preview shows how white text looks on a background with the XYZ color 28.6771, 40.6901,

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

28.6771, 40.6901, 27.8153

Protanopia

37.4783, 40.2468, 24.5320

Deuteranopia

40.8298, 39.9777, 28.8571



Tritanopia

34.3499, 40.5261, 56.4640

Trichromacy



Original Color

28.6771, 40.6901, 27.8153

Protanomaly

33.3918, 39.8261, 25.6659

Deuteranomaly

34.9919, 39.4418, 28.3230

Tritanomaly

31.8688, 40.4231, 44.1530

Monochromacy



Original Color

28.6771, 40.6901, 27.8153

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.6886, 36.2648, 33.3993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6771, 40.6901, 27.8153 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(113, 187, 131)` looks like.

```
.text, #text, p{  
    color:rgb(113, 187, 131)  
}
```

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(113, 187, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 187, 131) }
```

Border

The CSS property to change the border of an element to XYZ 28.6771, 40.6901, 27.8153 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(113, 187, 131) }
```


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

```
.border{ border-color:rgb(113, 187, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 187, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 187, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 187, 131);  
box-shadow:4px 4px 4px 4px rgb(113, 187,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6771, 40.6901, 27.8153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 187, 131) }
```

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

```
.background{ background-color: rgb(113,  
187, 131) }
```

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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