

Converting Colors

XYZ(28.2780, 46.1572, 28.9855)

Have a look what the booklet for
XYZ(28.2780, 46.1572, 28.9855)
contains.

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Color

**XYZ(28.2881, 46.1640,
28.8923)**

Conversions

Conversions Part 1

Format	Color
Hex	47CC83
RGB	71, 204, 131
RGB Percent	28%, 80%, 51%
CMY	0.7216, 0.2000, 0.4863
CMYK	0.65, 0.00, 0.36, 0.20
HSL	147°, 57%, 54%
HSV	147°, 65%, 80%
XYZ	28.2881, 46.1640, 28.8923
YIQ	155.9110, -55.8350, -50.8990

Conversions

Conversions Part 2

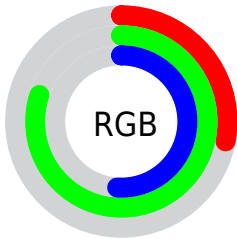
Format	Color
RYB	71, 163, 204
Decimal	4705411
CIELab	73.65, -52.60, 26.05
CIELCh	74, 58.699, 153.652
Yxy	46.1640, 0.2737, 0.4467
Android (android.graphics.Color)	4282895491 (0xFF47CC83)
YUV	155.9110, -12.2811, -74.4669
Hunter-Lab	67.9441, -44.5848, 22.3486

Details

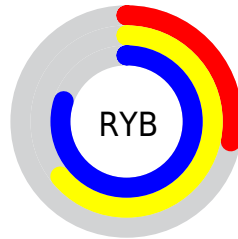
The XYZ color **28.2881, 46.1640, 28.8923** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **32.1905, 19.3584, 28.4270**, and the grayscale version is **31.6321, 33.2794, 36.2413**.

A 20% lighter version of the original color is **54.0846, 79.9672, 57.9321**, and **12.2326, 22.0890, 11.4035** is the 20% darker color. If you saturate the color by 10%, you get **26.3173, 45.2323, 25.0509**, and if you desaturate by 10%, it is **30.8454, 47.3911, 33.1914**.

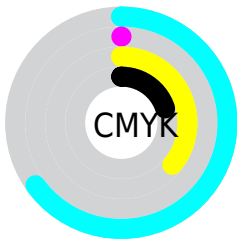
Distribution



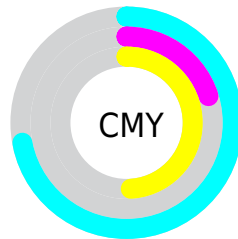
- Red (28%)
- Green (80%)
- Blue (51%)



- Red (28%)
- Yellow (64%)
- Blue (80%)



- Cyan (65%)
- Magenta (0%)
- Yellow (36%)
- Black (20%)





- Cyan (72%)
- Magenta (20%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2881, 46.1640, 28.8923 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 28.2881, 46.1640, 28.8923 by changing the saturation by 10% instead.


 28.2881, 46.1640,
28.8923


 28.2881, 46.1640,
28.8923


285.8962,
371.4676, 310.7515


 18.6845, 32.3753,
18.7545


 56.3495, 84.4644,
58.9461


 11.5452, 21.6483,
11.3180


 75.5380, 109.7448,
79.6991


 6.5048, 13.5987,
6.1643


 98.6523, 139.6246,
104.8276

 3.1979, 7.8421,
2.8748

 126.0575,
174.4881, 134.7502

 1.2593, 3.9941,
1.0311

 158.1192,
214.7198, 169.8853

 0.1524, 1.6702,
0.0000

195.2026,

 0.0000, 0.4043,

260.7040, 210.6515

0.0000

237.6732,
312.8251, 257.4674

■ 0.0000, 0.0000,
0.0000

■ 28.2881, 46.1640,
28.8923

■ 28.2881, 46.1640,
28.8923

■ 26.3173, 45.2323,
25.0509

■ 30.8454, 47.3911,
33.1914

■ 24.8743, 44.5622,
21.6478

■ 34.0334, 48.9323,
37.9602


■ 23.8933, 44.1214,
18.6668


■ 37.8959, 50.8112,
43.2141


■ 23.5268, 43.9607,
17.3774

■ 42.4718, 53.0476,
48.9668

■ 47.7966, 55.6595,
55.2315

 53.9038, 58.6639,
62.0208

 60.8245, 62.0767,
69.3469

 68.5881, 65.9127,
77.2215

 77.2227, 70.1863,
85.6559

Harmonies

Analogous

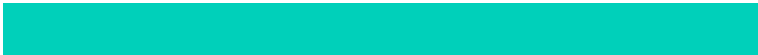
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.7040, 46.1640, 16.0775



28.2881, 46.1640, 28.8923



26.7952, 46.1640, 54.0007

Triad

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



28.2881, 46.1640, 28.8923



45.1633, 46.1640, 131.8060



62.7150, 46.1640, 24.7416

Complementary

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



28.2881, 46.1640, 28.8923



32.1905, 19.3584, 28.4270

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.



67.0096, 46.1640, 46.7052



28.2881, 46.1640, 28.8923



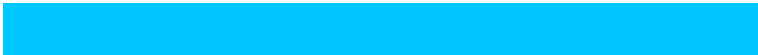
55.9163, 46.1640, 114.5887

Square

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



28.2881, 46.1640, 28.8923



35.5880, 46.1640, 121.0227



64.3448, 46.1640, 80.2044



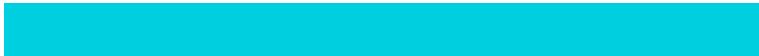
53.3635, 46.1640, 14.4314

Rectangle

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



28.2881, 46.1640, 28.8923



27.9923, 46.1640, 76.9150



64.3448, 46.1640, 80.2044



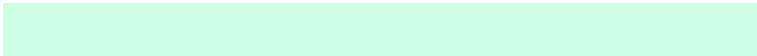
64.8595, 46.1640, 30.6140

Sweetspot

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



28.2893, 46.1659, 28.8934



74.5280, 89.9038, 86.1034



34.2595, 49.5855, 13.7269



15.4262, 18.9853, 17.8052



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.2893, 46.1659, 28.8934



42.5714, 74.4336, 39.2474



34.3110, 48.5746, 60.6034



11.2749, 12.6197, 13.0051



14.8531, 27.6865, 11.1772



0.8043, 1.4435, 0.7771

Inverse Universe

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



32.1905, 19.3584, 28.4270



49.4753, 26.8246, 38.2973



28.5189, 17.8897, 9.0925



11.4656, 11.3150, 12.9866



17.5608, 8.8349, 10.6720



0.9439, 0.4710, 0.7504

Previews

White Background



This preview shows how the XYZ color 28.2881, 46.1640, 28.8923 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 28.2881, 46.1640, 28.8923 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 28.2881, 46.1640, 28.8923

Background



This preview shows how black text looks on a background with the XYZ color 28.2881, 46.1640, 28.8923.

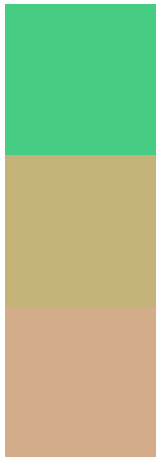


This preview shows how white text looks on a background with the XYZ color 28.2881, 46.1640,

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

28.2881, 46.1640, 28.8923

Protanopia

42.0770, 45.2228, 24.6003

Deuteranopia

46.2039, 45.1889, 30.3319



Tritanopia

35.9616, 45.8334, 67.9241

Trichromacy



Original Color

28.2881, 46.1640, 28.8923



Protanomaly

34.2626, 43.9311, 26.0758



Deuteranomaly

36.0109, 43.5038, 29.4208



Tritanomaly

32.5591, 45.7991, 50.8401

Monochromacy



Original Color

28.2881, 46.1640, 28.8923



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.6675, 36.3537, 33.1098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2881, 46.1640, 28.8923 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(71, 204, 131)` looks like.

```
.text, #text, p{  
    color:rgb(71, 204, 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(71, 204, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 204, 131) }
```

Border

The CSS property to change the border of an element to XYZ 28.2881, 46.1640, 28.8923 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(71, 204, 131) }
```


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

```
.border{ border-color:rgb(71, 204, 131) }
```

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

Here you see how a box with a 4 pixel rgb(71, 204, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 204, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 204, 131);  
box-shadow:4px 4px 4px 4px rgb(71, 204,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2881, 46.1640, 28.8923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 204, 131) }
```

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

```
.background{ background-color: rgb(71, 204,  
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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