

Converting Colors

XYZ(29.3043, 41.1020, 23.8417)

Have a look what the booklet for
XYZ(29.3043, 41.1020, 23.8417)
contains.

XYZ(29.2685, 41.0835, 23.8401)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.2685, 41.0835,
23.8401)**

Conversions

Conversions Part 1

Format	Color
Hex	7BBB77
RGB	123, 187, 119
RGB Percent	48%, 73%, 47%
CMY	0.5176, 0.2667, 0.5333
CMYK	0.34, 0.00, 0.36, 0.27
HSL	116°, 33%, 60%
HSV	116°, 36%, 73%
XYZ	29.2685, 41.0835, 23.8401
YIQ	160.1120, -16.3160, -34.7160

Conversions

Conversions Part 2

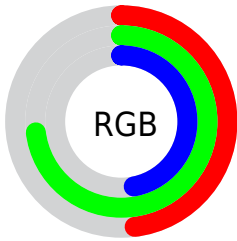
Format	Color
RYB	119, 187, 183
Decimal	8108919
CIELab	70.23, -34.06, 28.14
CIELCh	70, 44.176, 140.439
Yxy	41.0835, 0.3107, 0.4362
Android (android.graphics.Color)	4286298999 (0xFF7BBB77)
YUV	160.1120, -20.2682, -32.5472
Hunter-Lab	64.0964, -30.6598, 22.8151

Details

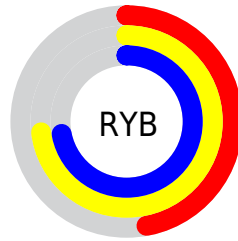
The XYZ color **29.2685, 41.0835, 23.8401** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **35.0967, 26.8501, 50.3486**, and the grayscale version is **33.5621, 35.3099, 38.4525**.

A 20% lighter version of the original color is **58.1572, 77.1449, 50.8550**, and **12.0916, 18.5568, 8.7389** is the 20% darker color. If you saturate the color by 10%, you get **25.9588, 39.4958, 18.3886**, and if you desaturate by 10%, it is **33.2539, 42.9965, 30.4785**.

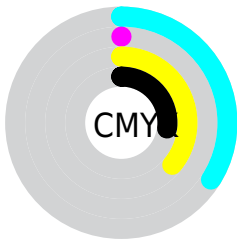
Distribution



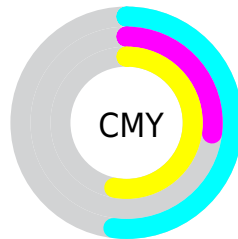
- Red (48%)
- Green (73%)
- Blue (47%)



- Red (47%)
- Yellow (73%)
- Blue (72%)



- Cyan (34%)
- Magenta (0%)
- Yellow (36%)
- Black (27%)



- Cyan (52%)
- Magenta (27%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2685, 41.0835, 23.8401 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 29.2685, 41.0835, 23.8401 by changing the saturation by 10% instead.

■ 29.2685, 41.0835,
23.8401

■ 29.2685, 41.0835,
23.8401

290.4511,
350.6695, 285.2716

■ 19.4293, 28.3843,
15.0039

■ 57.8980, 76.8106,
50.7097

■ 12.0868, 18.6156,
8.6755

■ 77.4191, 100.6074,
69.5802

■ 6.8754, 11.3928,
4.4362

■ 100.8982,
128.8721, 92.6326

■ 3.4299, 6.3317,
1.8676

128.7006,
161.9893, 120.2854

■ 1.3850, 3.0478,
0.4720

161.1918,
200.3432, 152.9572

■ 0.2455, 1.1567,
0.0000

198.7370,

■ 0.0000, 0.0259,

244.3182, 191.0664

0.0000

241.7017,
294.2989, 235.0317

■ 0.0000, 0.0000,
0.0000

■ 29.2685, 41.0835,
23.8401

■ 29.2685, 41.0835,
23.8401

■ 25.9588, 39.4958,
18.3886

■ 33.2539, 42.9965,
30.4785

■ 23.2845, 38.2103,
14.0515

■ 37.9465, 45.2459,
38.3650

■ 21.2057, 37.2095,
10.7526


■ 43.3791, 47.8486,
47.5600


■ 19.6767, 36.4717,
8.4054


■ 49.5821, 50.8191,
58.1192


■ 18.6451, 35.9719,
6.9088


■ 56.5837, 54.1707,
70.0949

 18.0467, 35.6800,
6.1310

 64.4111, 57.9165,
83.5369

 17.9091, 35.6134,
5.9302

 73.0898, 62.0685,
98.4924

 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.



34.3858, 41.0835, 16.8069



29.2685, 41.0835, 23.8401



26.8656, 41.0835, 38.4314

Triad

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



29.2685, 41.0835, 23.8401



36.7814, 41.0835, 96.6979



53.6016, 41.0835, 32.2037

Complementary

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



29.2685, 41.0835, 23.8401



35.0967, 26.8501, 50.3486

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.



54.4498, 41.0835, 51.6883



29.2685, 41.0835, 23.8401



44.1151, 41.0835, 93.4641

Square

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



29.2685, 41.0835, 23.8401



30.8355, 41.0835, 83.0522



50.7957, 41.0835, 75.2374



48.6042, 41.0835, 20.4966

Rectangle

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



29.2685, 41.0835, 23.8401



26.8944, 41.0835, 52.3532



50.7957, 41.0835, 75.2374



54.4036, 41.0835, 37.8905

Sweetspot

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



29.2695, 41.0852, 23.8410



72.8356, 83.3682, 76.9495



40.6488, 45.5461, 24.1023



15.7502, 18.2204, 16.4559



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.



29.2695, 41.0852, 23.8410



47.3894, 71.1655, 34.4047



30.7617, 41.6174, 34.6239



9.4593, 10.6757, 10.1387



12.3603, 24.5478, 4.0868



0.5021, 0.9708, 0.1609

Inverse Universe

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



35.0967, 26.8501, 50.3486



59.4070, 41.7683, 89.1324



33.2232, 26.2121, 35.4473



9.8731, 9.6669, 12.0177



18.5387, 8.8431, 33.1227



0.7432, 0.3551, 1.2982

Previews

White Background



This preview shows how the XYZ color 29.2685, 41.0835, 23.8401 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 29.2685, 41.0835, 23.8401 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 29.2685, 41.0835, 23.8401

Background



This preview shows how black text looks on a background with the XYZ color 29.2685, 41.0835, 23.8401.



This preview shows how white text looks on a background with the XYZ color 29.2685, 41.0835,

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

29.2685, 41.0835, 23.8401

Protanopia

37.7372, 40.7348, 21.2029

Deuteranopia

41.5422, 40.7027, 24.7357



Tritanopia

35.7514, 40.9649, 55.8919

Trichromacy



Original Color

29.2685, 41.0835, 23.8401

Protanomaly

33.9209, 40.4686, 22.2431

Deuteranomaly

35.7209, 39.9089, 24.2328

Tritanomaly

32.8311, 40.6699, 41.7170

Monochromacy



Original Color

29.2685, 41.0835, 23.8401

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.5182, 36.9968, 32.2680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2685, 41.0835, 23.8401 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(123, 187, 119)` looks like.

```
.text, #text, p{  
    color:rgb(123, 187, 119)  
}
```

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(123, 187, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 187, 119) }
```

Border

The CSS property to change the border of an element to XYZ 29.2685, 41.0835, 23.8401 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(123, 187, 119) }
```


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

```
.border{ border-color:rgb(123, 187, 119) }
```

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

Here you see how a box with a 4 pixel rgb(123, 187, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 187, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 187, 119);  
box-shadow:4px 4px 4px 4px rgb(123, 187,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2685, 41.0835, 23.8401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 187, 119) }
```

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

```
.background{ background-color: rgb(123,  
187, 119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor