

Converting Colors

XYZ(29.8426, 41.3795, 23.8669)

Have a look what the booklet for
XYZ(29.8426, 41.3795, 23.8669)
contains.

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Color

**XYZ(29.8525, 41.3846,
23.8674)**

Conversions

Conversions Part 1

Format	Color
Hex	7FBB77
RGB	127, 187, 119
RGB Percent	50%, 73%, 47%
CMY	0.5020, 0.2667, 0.5333
CMYK	0.32, 0.00, 0.36, 0.27
HSL	113°, 33%, 60%
HSV	113°, 36%, 73%
XYZ	29.8525, 41.3846, 23.8674
YIQ	161.3080, -13.9320, -33.8680

Conversions

Conversions Part 2

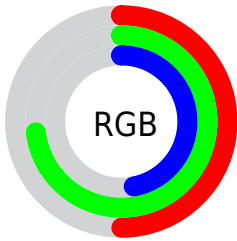
Format	Color
RYB	119, 187, 179
Decimal	8371063
CIELab	70.44, -32.73, 28.45
CIELCh	70, 43.370, 139.001
Yxy	41.3846, 0.3139, 0.4351
Android (android.graphics.Color)	4286561143 (0xFF7FBB77)
YUV	161.3080, -20.8578, -30.0881
Hunter-Lab	64.3309, -29.7467, 23.0344

Details

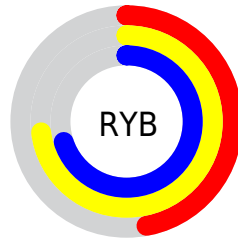
The XYZ color **29.8525, 41.3846, 23.8674** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **34.1588, 26.3665, 50.3048**, and the grayscale version is **34.1192, 35.8960, 39.0908**.

A 20% lighter version of the original color is **59.0885, 77.6250, 50.8986**, and **12.3947, 18.7131, 8.7531** is the 20% darker color. If you saturate the color by 10%, you get **26.5788, 39.8154, 18.4176**, and if you desaturate by 10%, it is **33.7518, 43.2532, 30.5017**.

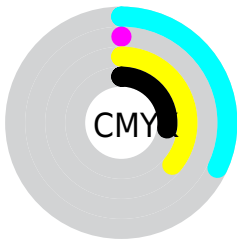
Distribution



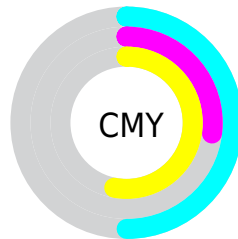
- Red (50%)
- Green (73%)
- Blue (47%)



- Red (47%)
- Yellow (73%)
- Blue (70%)



- Cyan (32%)
- Magenta (0%)
- Yellow (36%)
- Black (27%)



- Cyan (50%)
- Magenta (27%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8525, 41.3846, 23.8674 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 29.8525, 41.3846, 23.8674 by changing the saturation by 10% instead.

■ 29.8525, 41.3846,
23.8674

■ 29.8525, 41.3846,
23.8674

293.1385,
351.9255, 285.4143

■ 19.8742, 28.6197,
15.0240

■ 58.8171, 77.2674,
50.7548

■ 12.4113, 18.7933,
8.6894

■ 78.5340, 101.1541,
69.6360

■ 7.0987, 11.5210,
4.4451

■ 102.2279,
129.5169, 92.7001

■ 3.5708, 6.4184,
1.8726

130.2640,
162.7401, 120.3657

■ 1.4623, 3.1012,
0.4752

163.0078,
201.2082, 153.0514

■ 0.3000, 1.1848,
0.0000

200.8246,

■ 0.0000, 0.0492,

245.3055, 191.1757

0.0000

244.0797,
295.4165, 235.1572

■ 0.0000, 0.0000,
0.0000

■ 29.8525, 41.3846,
23.8674

■ 29.8525, 41.3846,
23.8674

■ 26.5788, 39.8154,
18.4176

■ 33.7518, 43.2532,
30.5017

■ 23.8950, 38.5251,
14.0800

■ 38.3037, 45.4301,
38.3817

■ 21.7665, 37.4987,
10.7789


■ 43.5376, 47.9304,
47.5674


■ 20.1539, 36.7177,
8.4277


■ 49.4800, 50.7665,
58.1144


■ 19.0123, 36.1612,
6.9260


■ 56.1560, 53.9503,
70.0749

 18.2872, 35.8040,
6.1423

 63.5896, 57.4930,
83.4985

 18.1020, 35.7129,
5.9392

 71.8035, 61.4054,
98.4322

 77.0612, 64.0223,
102.9037

Harmonies

Analogous

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



35.0301, 41.3846, 17.1623



29.8525, 41.3846, 23.8674



27.3338, 41.3846, 37.9649

Triad

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



29.8525, 41.3846, 23.8674



36.7721, 41.3846, 95.7548



53.8032, 41.3846, 33.4283

Complementary

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



29.8525, 41.3846, 23.8674



34.1588, 26.3665, 50.3048

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.



54.4169, 41.3846, 52.9899



29.8525, 41.3846, 23.8674



43.9785, 41.3846, 93.4254

Square

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



29.8525, 41.3846, 23.8674



30.9945, 41.3846, 81.7465



50.6384, 41.3846, 76.1071



49.0512, 41.3846, 21.4152

Rectangle

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



29.8525, 41.3846, 23.8674



27.2686, 41.3846, 51.4998



50.6384, 41.3846, 76.1071



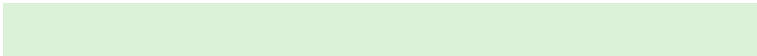
54.5202, 41.3846, 39.1822

Sweetspot

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



29.8536, 41.3864, 23.8683



73.3042, 83.6098, 76.9714



39.7322, 43.7130, 23.7967



15.8639, 18.2790, 16.4612



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.



29.8536, 41.3864, 23.8683



48.4949, 71.7354, 34.4564



30.4083, 41.4761, 32.7629



9.5103, 10.7019, 10.1411



12.5047, 24.6223, 4.0935



0.5247, 0.9824, 0.1620

Inverse Universe

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



34.1588, 26.3665, 50.3048



57.3619, 40.7140, 89.0367



33.6194, 26.3705, 37.5331



9.8165, 9.6378, 12.0151



16.9119, 8.0045, 33.0466



0.6941, 0.3299, 1.2959

Previews

White Background



This preview shows how the XYZ color 29.8525, 41.3846, 23.8674 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 29.8525, 41.3846, 23.8674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

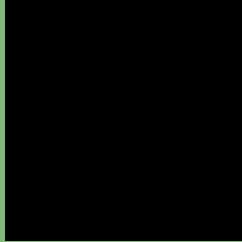
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8525, 41.3846, 23.8674

Background



This preview shows how black text looks on a background with the XYZ color 29.8525, 41.3846, 23.8674.



This preview shows how white text looks on a background with the XYZ color 29.8525, 41.3846,

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

29.8525, 41.3846, 23.8674

Protanopia

37.9829, 41.1364, 21.5610

Deuteranopia

41.5422, 40.7027, 24.7357



Tritanopia

36.2500, 41.2220, 55.9152

Trichromacy



Original Color

29.8525, 41.3846, 23.8674

Protanomaly

34.3337, 40.6814, 22.2624

Deuteranomaly

35.9446, 40.0241, 24.2433

Tritanomaly

33.3071, 40.9153, 41.7393

Monochromacy



Original Color

29.8525, 41.3846, 23.8674

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

31.9575, 37.2143, 32.6929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8525, 41.3846, 23.8674 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(127, 187, 119)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 187, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 187, 119) }
```

Border

The CSS property to change the border of an element to XYZ 29.8525, 41.3846, 23.8674 is called "border". The border property can be set on classes, ids or directly on the HTML element.

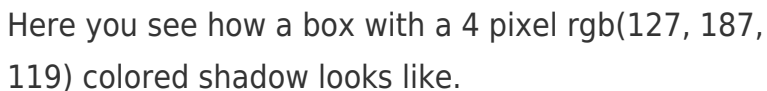
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 187, 119) }
```


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

```
.border{ border-color:rgb(127, 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(127, 187, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 187, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 187, 119); box-shadow:4px 4px 4px 4px rgb(127, 187, 119) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8525, 41.3846, 23.8674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 187, 119) }
```

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

```
.background{ background-color: rgb(127,  
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](#).

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