

Converting Colors

XYZ(28.6701, 41.9648, 31.6947)

Have a look what the booklet for
XYZ(28.6701, 41.9648, 31.6947)
contains.

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Color

**XYZ(28.5841, 41.8373,
31.7682)**

Conversions

Conversions Part 1

Format	Color
Hex	63BF8D
RGB	99, 191, 141
RGB Percent	39%, 75%, 55%
CMY	0.6118, 0.2510, 0.4471
CMYK	0.48, 0.00, 0.26, 0.25
HSL	147°, 42%, 57%
HSV	147°, 48%, 75%
XYZ	28.5841, 41.8373, 31.7682
YIQ	157.7920, -38.7820, -35.0540

Conversions

Conversions Part 2

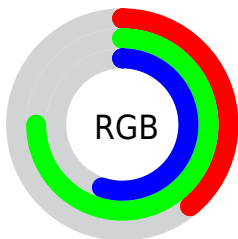
Format	Color
RYB	99, 162, 191
Decimal	6537101
CIELab	70.76, -38.97, 16.93
CIELCh	71, 42.490, 156.513
Yxy	41.8373, 0.2797, 0.4094
Android (android.graphics.Color)	4284727181 (0xFF63BF8D)
YUV	157.7920, -8.2785, -51.5606
Hunter-Lab	64.6818, -34.3105, 16.1572

Details

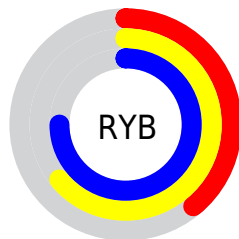
The XYZ color **28.5841, 41.8373, 31.7682** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **31.3739, 22.1709, 31.0611**, and the grayscale version is **32.4549, 34.1451, 37.1840**.

A 20% lighter version of the original color is **56.9353, 78.0435, 63.6929**, and **11.7484, 19.1181, 12.9685** is the 20% darker color. If you saturate the color by 10%, you get **26.0026, 40.5927, 27.8030**, and if you desaturate by 10%, it is **31.7337, 43.3686, 36.1398**.

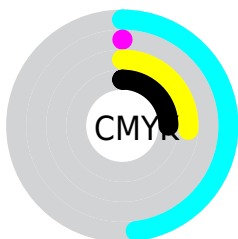
Distribution



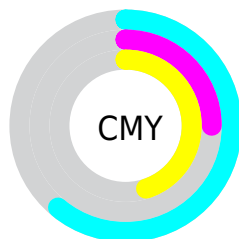
- Red (39%)
- Green (75%)
- Blue (55%)



- Red (39%)
- Yellow (64%)
- Blue (75%)



- Cyan (48%)
- Magenta (0%)
- Yellow (26%)
- Black (25%)



- Cyan (61%)
- Magenta (25%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5841, 41.8373, 31.7682 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 28.5841, 41.8373, 31.7682 by changing the saturation by 10% instead.

■ 28.5841, 41.8373,
31.7682

■ 28.5841, 41.8373,
31.7682

287.2773,
353.8080, 324.5221

■ 18.9091, 28.9739,
20.9212

■ 56.8178, 77.9533,
63.5412

■ 11.7082, 19.0611,
12.8757

■ 76.1072, 101.9748,
85.3042

■ 6.6161, 11.7144,
7.2133

■ 99.3322, 130.4843,
111.5430

■ 3.2674, 6.5495,
3.5154

■ 126.8580,
163.8664, 142.6761

■ 1.2967, 3.1820,
1.3634

159.0501,
202.5055, 179.1220

■ 0.1807, 1.2275,
0.1130

196.2737,

■ 0.0000, 0.0840,

246.7858, 221.2993

0.0000

238.8943,
297.0919, 269.6265

■ 0.0000, 0.0000,
0.0000

■ 28.5841, 41.8373,
31.7682

■ 28.5841, 41.8373,
31.7682

■ 26.0026, 40.5927,
27.8030

■ 31.7337, 43.3686,
36.1398

■ 23.9486, 39.6108,
24.2293

■ 35.4819, 45.1988,
40.9264

■ 22.3810, 38.8718,
21.0352


■ 39.8608, 47.3454,
46.1401


■ 21.2509, 38.3506,
18.2071

■ 44.8993, 49.8230,
51.7913


■ 20.4827, 38.0086,
15.7296


■ 50.6243, 52.6453,
57.8904

 20.3599, 37.9544,
15.3116

 57.0614, 55.8252,
64.4470

 64.2345, 59.3751,
71.4709

 72.1668, 63.3065,
78.9711

 74.7846, 64.4883,
86.6713

Harmonies

Analogous

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



32.2331, 41.8373, 20.9350



28.5841, 41.8373, 31.7682



27.7612, 41.8373, 50.1004

Triad

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



28.5841, 41.8373, 31.7682



41.3225, 41.8373, 96.0306



51.6842, 41.8373, 26.1401

Complementary

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



28.5841, 41.8373, 31.7682



31.3739, 22.1709, 31.0611

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.



54.8095, 41.8373, 41.2908



28.5841, 41.8373, 31.7682



48.3876, 41.8373, 84.4180

Square

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



28.5841, 41.8373, 31.7682



34.6041, 41.8373, 91.2371



53.5370, 41.8373, 62.8420



45.4154, 41.8373, 18.4207

Rectangle

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



28.5841, 41.8373, 31.7682



28.8276, 41.8373, 65.1727



53.5370, 41.8373, 62.8420



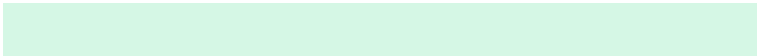
53.1690, 41.8373, 30.3293

Sweetspot

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



28.5852, 41.8390, 31.7692



74.8049, 86.4711, 86.5328



33.3885, 44.6104, 18.6558



16.0059, 18.7816, 18.5244



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



28.5852, 41.8390, 31.7692



46.2608, 72.5510, 49.2888



32.6832, 43.4782, 53.3491



9.5850, 10.7201, 11.0642



13.4193, 24.9580, 10.2709



0.5587, 0.9908, 0.5762

Inverse Universe

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



31.3739, 22.1709, 31.0611



51.8490, 33.0872, 47.8324



28.4273, 20.9923, 15.5446



9.7412, 9.6208, 11.0260



15.7969, 7.9499, 9.4902



0.6514, 0.3245, 0.5436

Previews

White Background



This preview shows how the XYZ color 28.5841, 41.8373, 31.7682 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 28.5841, 41.8373, 31.7682 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 28.5841, 41.8373, 31.7682

Background



This preview shows how black text looks on a background with the XYZ color 28.5841, 41.8373, 31.7682.



This preview shows how white text looks on a background with the XYZ color 28.5841, 41.8373,

31.7682.

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

28.5841, 41.8373, 31.7682

Protanopia

38.6845, 41.3613, 27.7744

Deuteranopia

42.1914, 41.3848, 33.3681



Tritanopia

34.2730, 41.9356, 59.7141

Trichromacy



Original Color

28.5841, 41.8373, 31.7682



Protanomaly

33.6301, 40.7618, 29.0170



Deuteranomaly

35.3411, 40.3857, 32.7206



Tritanomaly

32.0128, 41.9662, 48.0080

Monochromacy



Original Color

28.5841, 41.8373, 31.7682



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.3587, 36.3348, 35.1190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5841, 41.8373, 31.7682 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(99, 191, 141)` looks like.

```
.text, #text, p{  
    color:rgb(99, 191, 141)  
}
```

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(99, 191, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 191, 141) }
```

Border

The CSS property to change the border of an element to XYZ 28.5841, 41.8373, 31.7682 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(99, 191, 141) }
```


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

```
.border{ border-color:rgb(99, 191, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 191, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 191, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 191, 141);  
box-shadow:4px 4px 4px 4px rgb(99, 191,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5841, 41.8373, 31.7682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 191, 141) }
```

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

```
.background{ background-color: rgb(99, 191,  
141) }
```

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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