

Converting Colors

XYZ(29.2415, 42.6405, 29.0427)

Have a look what the booklet for
XYZ(29.2415, 42.6405, 29.0427)
contains.

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Color

**XYZ(29.1467, 42.5185,
28.8610)**

Conversions

Conversions Part 1

Format	Color
Hex	6BC085
RGB	107, 192, 133
RGB Percent	42%, 75%, 52%
CMY	0.5804, 0.2470, 0.4784
CMYK	0.44, 0.00, 0.31, 0.25
HSL	138°, 40%, 59%
HSV	138°, 44%, 75%
XYZ	29.1467, 42.5185, 28.8610
YIQ	159.8590, -31.7210, -36.3690

Conversions

Conversions Part 2

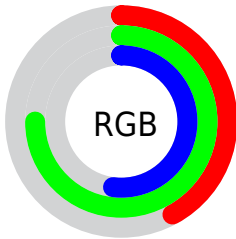
Format	Color
RYB	107, 172, 192
Decimal	7061637
CIELab	71.23, -38.80, 21.92
CIELCh	71, 44.567, 150.541
Yxy	42.5185, 0.2899, 0.4230
Android (android.graphics.Color)	4285251717 (0xFF6BC085)
YUV	159.8590, -13.2415, -46.3573
Hunter-Lab	65.2062, -34.3227, 19.4019

Details

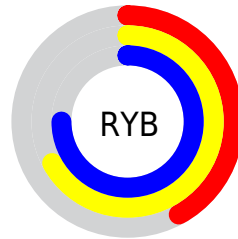
The XYZ color **29.1467, 42.5185, 28.8610** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **33.8803, 24.4760, 39.0167**, and the grayscale version is **33.4191, 35.1595, 38.2887**.

A 20% lighter version of the original color is **57.6389, 78.9779, 58.6607**, and **12.0660, 19.5316, 11.3176** is the 20% darker color. If you saturate the color by 10%, you get **26.2266, 41.1140, 24.2194**, and if you desaturate by 10%, it is **32.6984, 44.2374, 34.1439**.

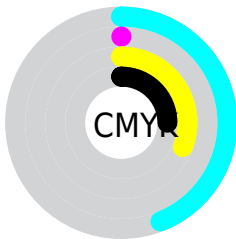
Distribution



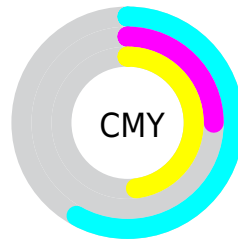
- Red (42%)
- Green (75%)
- Blue (52%)



- Red (42%)
- Yellow (67%)
- Blue (75%)



- Cyan (44%)
- Magenta (0%)
- Yellow (31%)
- Black (25%)



- Cyan (58%)
- Magenta (25%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1467, 42.5185, 28.8610 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 29.1467, 42.5185, 28.8610 by changing the saturation by 10% instead.

■ 29.1467, 42.5185,
28.8610

■ 29.1467, 42.5185,
28.8610

289.8882,
356.6278, 310.5989

■ 19.3367, 29.5075,
18.7310

■ 57.7060, 78.9838,
58.8957

■ 12.0192, 19.4651,
11.3012

■ 77.1860, 103.2068,
79.6375

■ 6.8291, 12.0068,
6.1531

■ 100.6201,
131.9360, 104.7537

■ 3.4008, 6.7483,
2.8681

■ 128.3735,
165.5557, 134.6628

■ 1.3691, 3.3052,
1.0277

160.8117,
204.4504, 169.7833

■ 0.2340, 1.2931,
0.0000

198.3000,

■ 0.0000, 0.1358,

249.0043, 210.5338

0.0000

241.2037,
299.6020, 257.3328

■ 0.0000, 0.0000,
0.0000

■ 29.1467, 42.5185,
28.8610

■ 29.1467, 42.5185,
28.8610

■ 26.2266, 41.1140,
24.2194

■ 32.6984, 44.2374,
34.1439

■ 23.8961, 39.9993,
20.1917

■ 36.9137, 46.2833,
40.0885

■ 22.1131, 39.1545,
16.7526


■ 41.8263, 48.6742,
46.7177


■ 20.8283, 38.5545,
13.8739


■ 47.4666, 51.4253,
54.0525


■ 19.9826, 38.1696,
11.5251


■ 53.8632, 54.5511,
62.1131

 19.6328, 38.0138,
10.4036

 61.0431, 58.0650,
70.9188

 69.0321, 61.9800,
80.4880

 75.7624, 65.2296,
90.7408

 77.8119, 66.0494,
101.5333

Harmonies

Analogous

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



33.5409, 42.5185, 19.1256



29.1467, 42.5185, 28.8610



27.6783, 42.5185, 46.6853

Triad

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



29.1467, 42.5185, 28.8610



40.5485, 42.5185, 100.8507



54.0963, 42.5185, 28.3724

Complementary

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



29.1467, 42.5185, 28.8610



33.8803, 24.4760, 39.0167

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.



56.5534, 42.5185, 45.9078



29.1467, 42.5185, 28.8610



48.1639, 42.5185, 91.5593

Square

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



29.1467, 42.5185, 28.8610



33.7490, 42.5185, 92.1732



54.2613, 42.5185, 69.6296



47.9001, 42.5185, 18.9107

Rectangle

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



29.1467, 42.5185, 28.8610



28.3938, 42.5185, 62.2903



54.2613, 42.5185, 69.6296



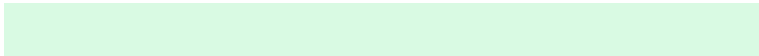
55.4187, 42.5185, 33.3037

Sweetspot

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



29.1478, 42.5203, 28.8620



76.8062, 88.6896, 85.9973



37.3359, 46.9239, 20.9998



16.0213, 18.8046, 17.8453



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.



29.1478, 42.5203, 28.8620



47.7203, 74.5899, 44.2143



32.6522, 43.9220, 47.3159



10.0685, 11.3084, 11.3638



13.2411, 25.5905, 7.1627



0.6036, 1.1183, 0.4752

Inverse Universe

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



33.8803, 24.4760, 39.0167



57.3594, 37.7566, 64.8381



30.6352, 23.1780, 21.9287



10.3618, 10.1933, 11.9960



17.5250, 8.6997, 15.9424



0.7868, 0.3877, 0.8445

Previews

White Background



This preview shows how the XYZ color 29.1467, 42.5185, 28.8610 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 29.1467, 42.5185, 28.8610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

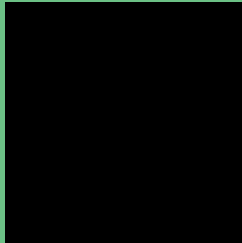
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.1467, 42.5185, 28.8610

Background



This preview shows how black text looks on a background with the XYZ color 29.1467, 42.5185, 28.8610.



This preview shows how white text looks on a background with the XYZ color 29.1467, 42.5185,

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

29.1467, 42.5185, 28.8610

Protanopia

39.1388, 41.9326, 25.4330

Deuteranopia

42.8360, 42.0581, 30.2864



Tritanopia

35.3596, 42.4958, 59.7649

Trichromacy



Original Color

29.1467, 42.5185, 28.8610



Protanomaly

34.3181, 41.4701, 26.6179



Deuteranomaly

35.9770, 41.0723, 29.6985



Tritanomaly

32.7464, 42.3785, 46.4984

Monochromacy



Original Color

29.1467, 42.5185, 28.8610



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.2421, 37.3698, 34.4206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1467, 42.5185, 28.8610 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(107, 192, 133)` looks like.

```
.text, #text, p{  
    color:rgb(107, 192, 133)  
}
```

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(107, 192, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 192, 133) }
```

Border

The CSS property to change the border of an element to XYZ 29.1467, 42.5185, 28.8610 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(107, 192, 133) }
```


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

```
.border{ border-color:rgb(107, 192, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 192, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 192, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 192, 133);  
box-shadow:4px 4px 4px 4px rgb(107, 192,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1467, 42.5185, 28.8610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 192, 133) }
```

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

```
.background{ background-color: rgb(107,  
192, 133) }
```

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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