

Converting Colors

XYZ(29.0948, 42.5128, 42.7487)

Have a look what the booklet for
XYZ(29.0948, 42.5128, 42.7487)
contains.

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Color

**XYZ(29.0948, 42.5128,
42.7487)**

Conversions

Conversions Part 1

Format	Color
Hex	4EC1A6
RGB	78, 193, 166
RGB Percent	31%, 76%, 65%
CMY	0.6941, 0.2431, 0.3490
CMYK	0.60, 0.00, 0.14, 0.24
HSL	166°, 48%, 53%
HSV	166°, 60%, 76%
XYZ	29.0948, 42.5128, 42.7487
YIQ	155.5370, -59.8730, -32.7770

Conversions

Conversions Part 2

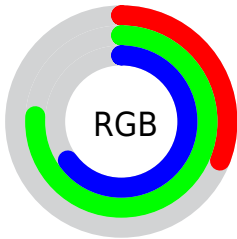
Format	Color
RYB	78, 143, 193
Decimal	5161382
CIELab	71.22, -38.99, 3.94
CIElCh	71, 39.186, 174.235
Yxy	42.5128, 0.2544, 0.3718
Android (android.graphics.Color)	4283351462 (0xFF4EC1A6)
YUV	155.5370, 5.1583, -67.9999
Hunter-Lab	65.2018, -34.4518, 6.7686

Details

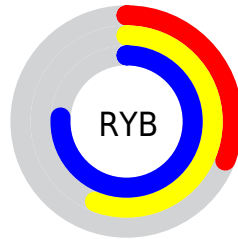
The XYZ color **29.0948, 42.5128, 42.7487** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **27.2680, 17.8073, 15.3663**, and the grayscale version is **31.3918, 33.0266, 35.9660**.

A 20% lighter version of the original color is **57.5533, 78.9100, 80.6044**, and **12.2699, 19.6801, 19.0715** is the 20% darker color. If you saturate the color by 10%, you get **27.3314, 41.6520, 40.5349**, and if you desaturate by 10%, it is **31.3392, 43.6220, 45.0633**.

Distribution



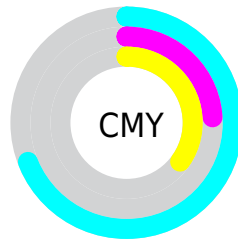
- Red (31%)
- Green (76%)
- Blue (65%)



- Red (31%)
- Yellow (56%)
- Blue (76%)



- Cyan (60%)
- Magenta (0%)
- Yellow (14%)
- Black (24%)





- Cyan (69%)
- Magenta (24%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0948, 42.5128, 42.7487 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 29.0948, 42.5128, 42.7487 by changing the saturation by 10% instead.

 29.0948, 42.5128,
42.7487


 29.0948, 42.5128,
42.7487


289.6481,
356.6043, 373.4681


 19.2972, 29.5030,
29.3581


 57.6242, 78.9751,
80.6138


 11.9905, 19.4617,
19.1039


 77.0867, 103.1965,
105.9253

 6.8094, 12.0044,
11.5678


 100.5015,
131.9239, 136.0475

 3.3884, 6.7466,
6.3312

 128.2340,
165.5416, 171.3990

 1.3623, 3.3042,
2.9755

160.6496,
204.4341, 212.3982

 0.2292, 1.2925,
1.0821

198.1136,

 0.0000, 0.1354,

248.9858, 259.4638

0.0000

240.9913,
299.5811, 313.0142

■ 0.0000, 0.0000,
0.0000

■ 29.0948, 42.5128,
42.7487

■ 29.0948, 42.5128,
42.7487

■ 27.3314, 41.6520,
40.5349

■ 31.3392, 43.6220,
45.0633

■ 26.0033, 41.0128,
38.4163

■ 34.0981, 44.9937,
47.4784

■ 25.0621, 40.5715,
36.3907

■ 37.4058, 46.6465,
49.9971

■ 24.4161, 40.2807,
34.4530

■ 41.2930, 48.5964,
52.6216

■ 24.3911, 40.2695,
34.3741

■ 45.7877, 50.8576,
55.3541

■ 50.9162, 53.4439,
58.1965

■ 56.7034, 56.3679,
61.1505

■ 63.1726, 59.6417,
64.2182

■ 70.3461, 63.2768,
67.4010

Harmonies

Analogous

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



30.9976, 42.5128, 28.1977



29.0948, 42.5128, 42.7487



29.9462, 42.5128, 62.7878

Triad

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



29.0948, 42.5128, 42.7487



45.8185, 42.5128, 87.7465



48.2507, 42.5128, 22.6983

Complementary

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



29.0948, 42.5128, 42.7487



27.2680, 17.8073, 15.3663

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.



53.0582, 42.5128, 32.9680



29.0948, 42.5128, 42.7487



51.5508, 42.5128, 70.8225

Square

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



29.0948, 42.5128, 42.7487



39.1512, 42.5128, 92.4317



54.3267, 42.5128, 50.0200



41.6897, 42.5128, 18.8142

Rectangle

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



29.0948, 42.5128, 42.7487



32.0137, 42.5128, 76.3986



54.3267, 42.5128, 50.0200



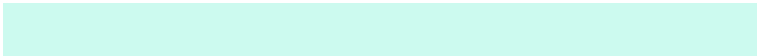
50.1527, 42.5128, 25.3569

Sweetspot

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



29.0960, 42.5145, 42.7497



74.9388, 87.5286, 94.8686



26.4799, 41.8021, 13.8815



15.6059, 18.5412, 20.0506



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.



29.0960, 42.5145, 42.7497



48.0208, 74.1471, 71.2317



26.0891, 32.1121, 55.2772



10.2641, 11.3867, 12.3941



16.2545, 26.7959, 23.0311



0.7275, 1.1678, 1.1276

Inverse Universe

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



27.2680, 17.8073, 15.3663



44.5138, 25.8571, 18.0381



28.6005, 22.3522, 10.0156



10.1680, 10.1158, 10.9750



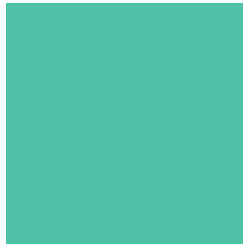
14.9729, 7.6789, 2.5032



0.6747, 0.3429, 0.2541

Previews

White Background



This preview shows how the XYZ color 29.0948, 42.5128, 42.7487 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 29.0948, 42.5128, 42.7487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

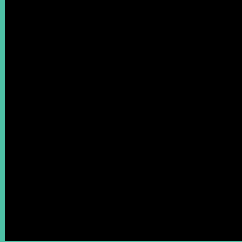
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.0948, 42.5128, 42.7487

Background



This preview shows how black text looks on a background with the XYZ color 29.0948, 42.5128, 42.7487.

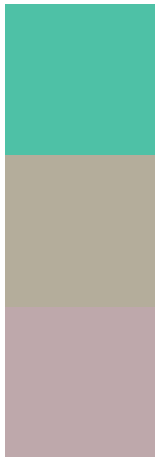


This preview shows how white text looks on a background with the XYZ color 29.0948, 42.5128,

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

29.0948, 42.5128, 42.7487

Protanopia

39.6824, 41.9570, 37.0174

Deuteranopia

42.5885, 41.8927, 44.3695



Tritanopia

33.1763, 42.5535, 62.9650

Trichromacy



Original Color

29.0948, 42.5128, 42.7487



Protanomaly

33.9070, 40.9854, 38.9248



Deuteranomaly

35.2780, 40.6984, 43.5323



Tritanomaly

31.6382, 42.5709, 55.2647

Monochromacy



Original Color

29.0948, 42.5128, 42.7487



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.4352, 35.5032, 38.5591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0948, 42.5128, 42.7487 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(78, 193, 166)` looks like.

```
.text, #text, p{  
    color:rgb(78, 193, 166)  
}
```

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(78, 193, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 193, 166) }
```

Border

The CSS property to change the border of an element to XYZ 29.0948, 42.5128, 42.7487 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(78, 193, 166) }
```


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

```
.border{ border-color:rgb(78, 193, 166) }
```

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

Here you see how a box with a 4 pixel rgb(78, 193, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 193, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 193, 166);  
box-shadow:4px 4px 4px 4px rgb(78, 193,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0948, 42.5128, 42.7487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 193, 166) }
```

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

```
.background{ background-color: rgb(78, 193,  
166) }
```

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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