

Converting Colors

XYZ(29.4010, 42.2550, 28.1936)

Have a look what the booklet for
XYZ(29.4010, 42.2550, 28.1936)
contains.

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Color

**XYZ(29.4096, 42.3450,
28.0961)**

Conversions

Conversions Part 1

Format	Color
Hex	70BF83
RGB	112, 191, 131
RGB Percent	44%, 75%, 51%
CMY	0.5608, 0.2510, 0.4863
CMYK	0.41, 0.00, 0.31, 0.25
HSL	134°, 38%, 59%
HSV	134°, 41%, 75%
XYZ	29.4096, 42.3450, 28.0961
YIQ	160.5390, -27.8240, -35.4080

Conversions

Conversions Part 2

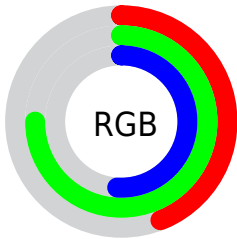
Format	Color
RYB	112, 176, 191
Decimal	7389059
CIELab	71.11, -37.28, 22.86
CIElCh	71, 43.731, 148.487
Yxy	42.3450, 0.2945, 0.4241
Android (android.graphics.Color)	4285579139 (0xFF70BF83)
YUV	160.5390, -14.5627, -42.5687
Hunter-Lab	65.0730, -33.2052, 19.9519

Details

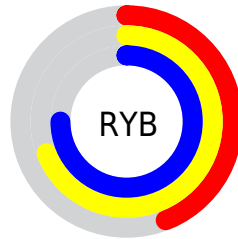
The XYZ color **29.4096, 42.3450, 28.0961** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **34.7277, 25.6441, 42.1506**, and the grayscale version is **33.7379, 35.4949, 38.6539**.

A 20% lighter version of the original color is **58.1555, 78.8110, 57.4943**, and **12.1758, 19.3849, 10.8845** is the 20% darker color. If you saturate the color by 10%, you get **26.3170, 40.8577, 23.1737**, and if you desaturate by 10%, it is **33.1575, 44.1567, 33.7696**.

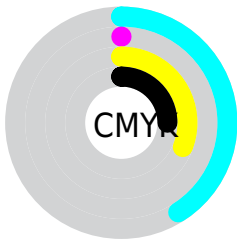
Distribution



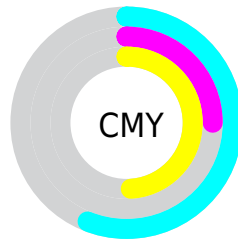
- Red (44%)
- Green (75%)
- Blue (51%)



- Red (44%)
- Yellow (69%)
- Blue (75%)



- Cyan (41%)
- Magenta (0%)
- Yellow (31%)
- Black (25%)



- Cyan (56%)
- Magenta (25%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4096, 42.3450, 28.0961 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 29.4096, 42.3450, 28.0961 by changing the saturation by 10% instead.

■ 29.4096, 42.3450,
28.0961

■ 29.4096, 42.3450,
28.0961

291.1021,
355.9111, 306.8522

■ 19.5367, 29.3715,
18.1584

■ 58.1203, 78.7215,
57.6628

■ 12.1650, 19.3621,
10.8932

■ 77.6888, 102.8933,
78.1289

■ 6.9292, 11.9322,
5.8818

■ 101.2200,
131.5667, 102.9415

■ 3.4638, 6.6975,
2.7057

129.0791,
165.1261, 132.5193

■ 1.4035, 3.2737,
0.9463

161.6315,
203.9558, 167.2807

■ 0.2587, 1.2762,
0.0000

199.2426,

■ 0.0000, 0.1227,

248.4403, 207.6443

0.0000

242.2777,
298.9639, 254.0286

■ 0.0000, 0.0000,
0.0000

■ 29.4096, 42.3450,
28.0961

■ 29.4096, 42.3450,
28.0961

■ 26.3170, 40.8577,
23.1737

■ 33.1575, 44.1567,
33.7696

■ 23.8380, 39.6702,
18.9682

■ 37.5929, 46.3050,
40.2210

■ 21.9308, 38.7630,
15.4466


■ 42.7497, 48.8081,
47.4793


■ 20.5470, 38.1118,
12.5725


■ 48.6583, 51.6811,
55.5710


■ 19.6296, 37.6881,
10.3058


■ 55.3478, 54.9385,
64.5217

 19.1235, 37.4600,
8.8009

 62.8455, 58.5938,
74.3554

 71.1772, 62.6599,
85.0957

 76.6685, 65.2420,
96.5918

 77.9216, 65.7432,
103.1905

Harmonies

Analogous

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



33.9059, 42.3450, 18.9938



29.4096, 42.3450, 28.0961



27.7627, 42.3450, 45.0511

Triad

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



29.4096, 42.3450, 28.0961



39.8774, 42.3450, 99.2246



53.9166, 42.3450, 29.4411

Complementary

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



29.4096, 42.3450, 28.0961



34.7277, 25.6441, 42.1506

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.



56.0062, 42.3450, 47.1782



29.4096, 42.3450, 28.0961



47.3347, 42.3450, 91.3384

Square

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



29.4096, 42.3450, 28.0961



33.3354, 42.3450, 89.6711



53.4666, 42.3450, 70.5250



48.0550, 42.3450, 19.5888

Rectangle

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



29.4096, 42.3450, 28.0961



28.3293, 42.3450, 60.0928



53.4666, 42.3450, 70.5250



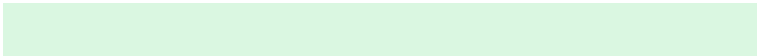
55.1126, 42.3450, 34.4784

Sweetspot

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



29.4107, 42.3468, 28.0971



75.7464, 87.0158, 83.8995



38.6949, 47.2683, 22.4138



16.3518, 18.9712, 18.0314



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.



29.4107, 42.3468, 28.0971



47.4177, 73.3105, 41.9703



32.5635, 43.6079, 44.6995



9.5003, 10.6863, 10.6183



12.5942, 24.6279, 5.9257



0.5199, 0.9753, 0.3722

Inverse Universe

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



34.7277, 25.6441, 42.1506



58.2516, 39.2131, 70.5578



31.5194, 24.3608, 25.2560



9.8292, 9.6560, 11.4895



17.5150, 8.6371, 18.5374



0.7102, 0.3480, 0.8530

Previews

White Background



This preview shows how the XYZ color 29.4096, 42.3450, 28.0961 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 29.4096, 42.3450, 28.0961 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

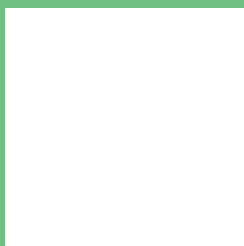
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4096, 42.3450, 28.0961

Background



This preview shows how black text looks on a background with the XYZ color 29.4096, 42.3450, 28.0961.



This preview shows how white text looks on a background with the XYZ color 29.4096, 42.3450,

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

29.4096, 42.3450, 28.0961

Protanopia

39.0122, 41.8820, 24.7668

Deuteranopia

42.4373, 41.6066, 29.0867



Tritanopia

35.6157, 42.3338, 59.1174

Trichromacy



Original Color

29.4096, 42.3450, 28.0961



Protanomaly

34.5844, 41.6225, 25.9498



Deuteranomaly

35.9952, 40.8162, 28.5354



Tritanomaly

32.9869, 42.1999, 45.9420

Monochromacy



Original Color

29.4096, 42.3450, 28.0961



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.5852, 37.5467, 34.4367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4096, 42.3450, 28.0961 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(112, 191, 131)` looks like.

```
.text, #text, p{  
    color:rgb(112, 191, 131)  
}
```

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(112, 191, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 191, 131) }
```

Border

The CSS property to change the border of an element to XYZ 29.4096, 42.3450, 28.0961 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(112, 191, 131) }
```


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

```
.border{ border-color:rgb(112, 191, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 191, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 191, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 191, 131);  
box-shadow:4px 4px 4px 4px rgb(112, 191,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4096, 42.3450, 28.0961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 191, 131) }
```

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

```
.background{ background-color: rgb(112,  
191, 131) }
```

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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