

Converting Colors

XYZ(29.6571, 42.2656, 27.9630)

Have a look what the booklet for
XYZ(29.6571, 42.2656, 27.9630)
contains.

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Color

**XYZ(29.5804, 42.1104,
28.0418)**

Conversions

Conversions Part 1

Format	Color
Hex	73BE83
RGB	115, 190, 131
RGB Percent	45%, 75%, 51%
CMY	0.5490, 0.2549, 0.4863
CMYK	0.39, 0.00, 0.31, 0.25
HSL	133°, 37%, 60%
HSV	133°, 39%, 75%
XYZ	29.5804, 42.1104, 28.0418
YIQ	160.8490, -25.7610, -34.2490

Conversions

Conversions Part 2

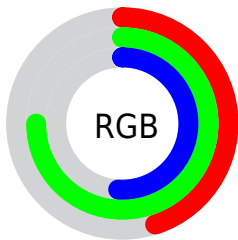
Format	Color
RYB	115, 177, 190
Decimal	7585411
CIELab	70.95, -35.93, 22.66
CIELCh	71, 42.483, 147.762
Yxy	42.1104, 0.2966, 0.4222
Android (android.graphics.Color)	4285775491 (0xFF73BE83)
YUV	160.8490, -14.7156, -40.2096
Hunter-Lab	64.8925, -32.1951, 19.8040

Details

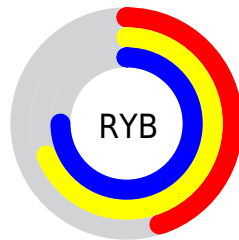
The XYZ color **29.5804, 42.1104, 28.0418** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **35.0073, 26.2655, 43.2706**, and the grayscale version is **33.8817, 35.6462, 38.8187**.

A 20% lighter version of the original color is **58.4901, 78.5283, 57.4221**, and **12.2760, 19.2265, 10.8487** is the 20% darker color. If you saturate the color by 10%, you get **26.3938, 40.5776, 22.9809**, and if you desaturate by 10%, it is **33.4303, 43.9707, 33.8985**.

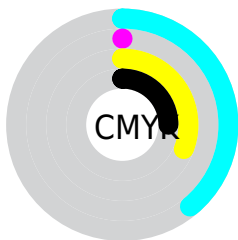
Distribution



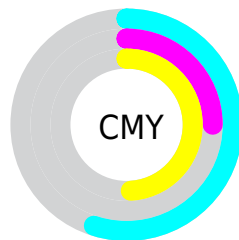
- Red (45%)
- Green (75%)
- Blue (51%)



- Red (45%)
- Yellow (69%)
- Blue (75%)



- Cyan (39%)
- Magenta (0%)
- Yellow (31%)
- Black (25%)



- Cyan (55%)
- Magenta (25%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5804, 42.1104, 28.0418 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 29.5804, 42.1104, 28.0418 by changing the saturation by 10% instead.

■ 29.5804, 42.1104,
28.0418

■ 29.5804, 42.1104,
28.0418

291.8887,
354.9404, 306.5848

■ 19.6668, 29.1877,
18.1179

■ 58.3892, 78.3667,
57.5751

■ 12.2599, 19.2229,
10.8643

■ 78.0150, 102.4691,
78.0215

■ 6.9944, 11.8314,
5.8626

■ 101.6091,
131.0669, 102.8125

■ 3.5049, 6.6290,
2.6943

129.5366,
164.5445, 132.3666

■ 1.4261, 3.2312,
0.9406

162.1630,
203.2862, 167.1023

■ 0.2747, 1.2536,
0.0000

199.8535,

■ 0.0000, 0.1048,

247.6765, 207.4382

0.0000

242.9737,
298.0998, 253.7929

■ 0.0000, 0.0000,
0.0000

■ 29.5804, 42.1104,
28.0418

■ 29.5804, 42.1104,
28.0418

■ 26.3938, 40.5776,
22.9809

■ 33.4303, 43.9707,
33.8985

■ 23.8291, 39.3480,
18.6787

■ 37.9753, 46.1705,
40.5803

■ 21.8454, 38.4025,
15.0992


■ 43.2489, 48.7278,
48.1186


■ 20.3952, 37.7175,
12.2026


■ 49.2816, 51.6575,
56.5424


■ 19.4231, 37.2654,
9.9450

■ 56.1020, 54.9740,
65.8789


 18.8326, 36.9973,
8.2759

 63.7374, 58.6907,
76.1547

 18.8064, 36.9854,
8.2032

 72.2136, 62.8203,
87.3950

 77.0002, 65.0269,
99.4108

 77.7042, 65.3085,
103.1181

Harmonies

Analogous

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



34.0135, 42.1104, 19.2837



29.5804, 42.1104, 28.0418



27.9062, 42.1104, 44.3453

Triad

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



29.5804, 42.1104, 28.0418



39.4954, 42.1104, 96.8742



53.3177, 42.1104, 29.9851

Complementary

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



29.5804, 42.1104, 28.0418



35.0073, 26.2655, 43.2706

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.



55.2242, 42.1104, 47.3905



29.5804, 42.1104, 28.0418



46.7053, 42.1104, 89.7189

Square

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



29.5804, 42.1104, 28.0418



33.1941, 42.1104, 87.3580



52.6767, 42.1104, 69.9475



47.7334, 42.1104, 20.1511

Rectangle

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



29.5804, 42.1104, 28.0418



28.4112, 42.1104, 58.8003



52.6767, 42.1104, 69.9475



54.4368, 42.1104, 34.9579

Sweetspot

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



29.5815, 42.1122, 28.0427



75.6367, 86.9719, 83.3219



39.1887, 47.1806, 23.2613



16.3254, 18.9606, 17.8928



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.



29.5815, 42.1122, 28.0427



48.7348, 73.9655, 43.1148



32.5063, 43.2821, 43.4445



9.4898, 10.6821, 10.5630



12.5288, 24.6018, 5.5812



0.5154, 0.9735, 0.3482

Inverse Universe

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



35.0073, 26.2655, 43.2706



59.8690, 41.3995, 74.3290



31.9184, 25.0299, 27.0051



9.8404, 9.6605, 11.5487



17.7819, 8.7439, 19.9428



0.7187, 0.3514, 0.8980

Previews

White Background



This preview shows how the XYZ color 29.5804, 42.1104, 28.0418 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 29.5804, 42.1104, 28.0418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

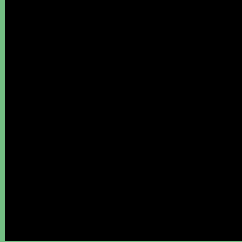
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.5804, 42.1104, 28.0418

Background



This preview shows how black text looks on a background with the XYZ color 29.5804, 42.1104, 28.0418.

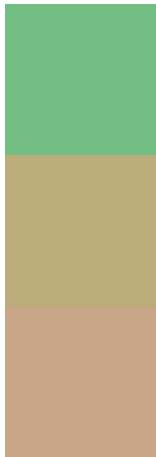


This preview shows how white text looks on a background with the XYZ color 29.5804, 42.1104,

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

29.5804, 42.1104, 28.0418

Protanopia

38.7684, 41.7563, 24.7553

Deuteranopia

42.4373, 41.6066, 29.0867



Tritanopia

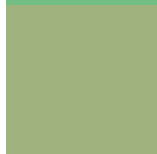
35.7450, 42.1085, 58.4684

Trichromacy



Original Color

29.5804, 42.1104, 28.0418



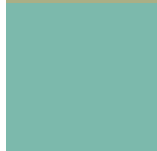
Protanomaly

34.3832, 41.2201, 25.8828



Deuteranomaly

36.2106, 40.9272, 28.5455



Tritanomaly

33.1075, 41.9616, 45.3842

Monochromacy



Original Color

29.5804, 42.1104, 28.0418



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.7591, 37.6363, 34.4448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5804, 42.1104, 28.0418 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(115, 190, 131)` looks like.

```
.text, #text, p{  
    color:rgb(115, 190, 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(115, 190, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 190, 131) }
```

Border

The CSS property to change the border of an element to XYZ 29.5804, 42.1104, 28.0418 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(115, 190, 131) }
```


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

```
.border{ border-color:rgb(115, 190, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 190, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 190, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 190, 131); box-shadow:4px 4px 4px 4px rgb(115, 190, 131) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5804, 42.1104, 28.0418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 190, 131) }
```

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

```
.background{ background-color: rgb(115,  
190, 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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