

Converting Colors

XYZ(100.1933, 93.3285,
29.8823)

Have a look what the booklet for
XYZ(100.1933, 93.3285, 29.8823)
contains.

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Color

**XYZ(72.8068, 79.1616,
28.5819)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE676
RGB	255, 230, 118
RGB Percent	100%, 90%, 46%
CMY	0.0000, 0.0980, 0.5372
CMYK	0.00, 0.10, 0.54, 0.00
HSL	49°, 100%, 73%
HSV	49°, 54%, 100%
XYZ	72.8068, 79.1616, 28.5819
YIQ	224.7070, 50.8520, -29.5320

Conversions

Conversions Part 2

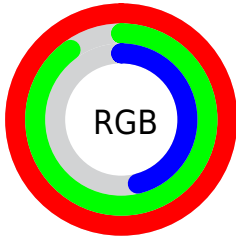
Format	Color
R_{YB}	149, 255, 118
Decimal	16770678
CIE _{Lab}	91.31, -5.04, 56.95
CIE _{LCh}	91, 57.177, 95.059
Yxy	79.1616, 0.4032, 0.4384
Android (android.graphics.Color)	4294960758 (0xFFFFE676)
YUV	224.7070, -52.6066, 26.5670
Hunter-Lab	88.9728, -9.6351, 43.2345

Details

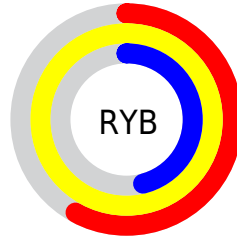
The XYZ color **72.8068, 79.1616, 28.5819** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.3434, 30.7154, 98.6732**, and the grayscale version is **71.6995, 75.4335, 82.1471**.

A 20% lighter version of the original color is **84.5428, 95.7971, 53.5700**, and **39.0491, 42.7774, 11.1998** is the 20% darker color. If you saturate the color by 10%, you get **70.2148, 76.0838, 21.2258**, and if you desaturate by 10%, it is **75.8467, 82.4798, 38.1095**.

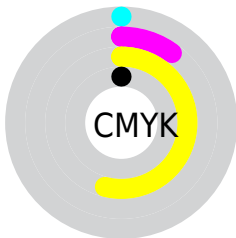
Distribution



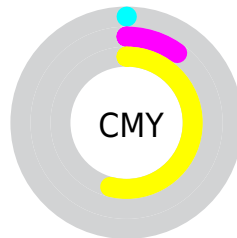
- Red (100%)
- Green (90%)
- Blue (46%)



- Red (58%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (10%)
- Yellow (54%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.8068, 79.1616, 28.5819 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 72.8068, 79.1616, 28.5819 by changing the saturation by 10% instead.


 72.8068, 79.1616,
28.5819

 72.8068, 79.1616,
28.5819


459.4591,
492.1029, 309.2361


 54.1058, 59.0287,
18.5219


 122.2075,
132.1863, 58.4464

 38.9173, 42.6362,
11.1520


 153.6379,
165.8469, 79.0880

 26.8758, 29.5998,
6.0537


 190.0422,
204.7856, 104.0938

 17.6161, 19.5350,
2.8085

231.7858,
249.3866, 133.8825

 10.7727, 12.0575,
0.9977

279.2338,
300.0345, 168.8725

 5.9804, 6.7828,
0.0000

332.7519,

 2.8737, 3.3267,

357.1135, 209.4824

0.0000

392.7052,
421.0082, 256.1307

■ 1.0873, 1.3046,
0.0000

■ 0.0145, 0.1447,
0.0000

■ 72.8068, 79.1616,
28.5819

■ 72.8068, 79.1616,
28.5819

■ 70.2148, 76.0838,
21.2258

■ 75.8467, 82.4798,
38.1095

■ 68.0310, 73.2211,
15.8582

■ 79.3591, 86.0397,
49.9622

■ 66.2177, 70.5611,
12.2738

■ 83.3735, 89.8566,
64.2854

■ 64.7267, 68.0841,
10.2204

■ 87.9153, 93.9409,
81.2109

63.9126, 66.6055,
9.4876

93.0078, 98.3025,
100.8615

95.0498, 99.9999,
108.9000

Harmonies

Analogous

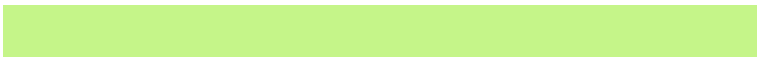
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6311, 79.1616, 32.1414



72.8068, 79.1616, 28.5819



60.3236, 79.1616, 35.9323

Triad

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



72.8068, 79.1616, 28.5819



54.6334, 79.1616, 140.7286



103.4839, 79.1616, 124.4737

Complementary

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



72.8068, 79.1616, 28.5819



35.3434, 30.7154, 98.6732

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.



92.4341, 79.1616, 169.5504



72.8068, 79.1616, 28.5819



64.0771, 79.1616, 180.8564

Square

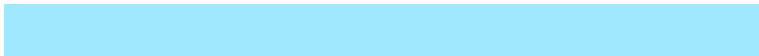
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8068, 79.1616, 28.5819



50.7281, 79.1616, 93.4345



77.7283, 79.1616, 192.8147



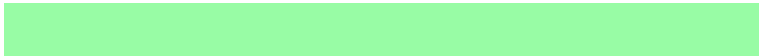
106.5984, 79.1616, 79.3367

Rectangle

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



72.8068, 79.1616, 28.5819



54.6067, 79.1616, 48.0479



77.7283, 79.1616, 192.8147



100.5106, 79.1616, 140.5412

Sweetspot

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



72.8087, 79.1653, 28.5835



86.8344, 92.9878, 77.1241



52.6856, 36.2043, 30.2452



18.3820, 19.7212, 15.7422



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



72.8087, 79.1653, 28.5835



70.1496, 76.0023, 21.0521



66.0712, 86.7680, 30.4061



19.2629, 20.4939, 19.0848



33.4977, 35.0065, 4.9914



3.3315, 3.5483, 0.5093

Inverse Universe

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



35.3434, 30.7154, 98.6732



29.3509, 23.2995, 97.5580



39.3044, 27.7947, 97.9007



17.2710, 17.9136, 22.7973



10.0293, 4.9682, 49.8649



1.0453, 0.6214, 4.8781

Previews

White Background



This preview shows how the XYZ color 72.8068, 79.1616, 28.5819 looks on a white background.

Color Contrast Check

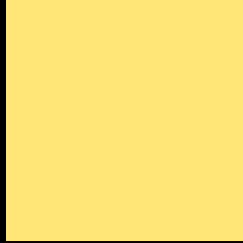
Large Text (above 18pt) WCAG AA × Fail

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 72.8068, 79.1616, 28.5819 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 72.8068, 79.1616, 28.5819

Background



This preview shows how black text looks on a background with the XYZ color 72.8068, 79.1616, 28.5819.



This preview shows how white text looks on a background with the XYZ color 72.8068, 79.1616,

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

72.8068, 79.1616, 28.5819

Protanopia

72.4399, 78.9725, 28.5648

Deuteranopia

77.5692, 78.8720, 60.4257



Tritanopia

81.8044, 78.8561, 88.0000

Trichromacy



Original Color

72.8068, 79.1616, 28.5819

Protanomaly

72.4399, 78.9725, 28.5648



Deuteranomaly

75.4099, 78.8785, 46.3725



Tritanomaly

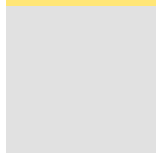
77.2996, 78.3329, 60.3358

Monochromacy



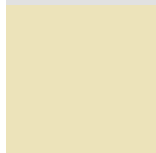
Original Color

72.8068, 79.1616, 28.5819



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

70.9241, 76.3162, 57.4468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8068, 79.1616, 28.5819 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(255, 230, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 118)  
}
```

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(255, 230, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 118) }
```

Border

The CSS property to change the border of an element to XYZ 72.8068, 79.1616, 28.5819 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(255, 230, 118) }
```


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

```
.border{ border-color:rgb(255, 230, 118) }
```

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

Here you see how a box with a 4 pixel rgb(255, 230, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8068, 79.1616, 28.5819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 118) }
```

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

```
.background{ background-color: rgb(255,  
230, 118) }
```

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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