

Converting Colors

XYZ(47.9166, 70.0567, 28.1987)

Have a look what the booklet for
XYZ(47.9166, 70.0567, 28.1987)
contains.

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Color

**XYZ(48.0411, 70.2091,
28.1592)**

Conversions

Conversions Part 1

Format	Color
Hex	9DEF76
RGB	157, 239, 118
RGB Percent	62%, 94%, 46%
CMY	0.3843, 0.0627, 0.5372
CMYK	0.34, 0.00, 0.51, 0.06
HSL	101°, 79%, 70%
HSV	101°, 51%, 94%
XYZ	48.0411, 70.2091, 28.1592
YIQ	200.6880, -10.0310, -55.0150

Conversions

Conversions Part 2

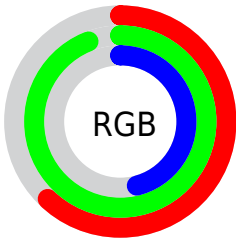
Format	Color
RYB	118, 239, 200
Decimal	10350454
CIELab	87.10, -46.11, 50.33
CIELCh	87, 68.260, 132.491
Yxy	70.2091, 0.3281, 0.4795
Android (android.graphics.Color)	4288540534 (0xFF9DEF76)
YUV	200.6880, -40.7652, -38.3144
Hunter-Lab	83.7909, -44.2919, 38.7283

Details

The XYZ color **48.0411, 70.2091, 28.1592** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **45.8812, 31.4704, 85.3214**, and the grayscale version is **55.5745, 58.4687, 63.6724**.

A 20% lighter version of the original color is **71.2307, 88.9456, 52.4437**, and **23.0489, 36.6043, 10.8516** is the 20% darker color. If you saturate the color by 10%, you get **43.8439, 68.1913, 21.4653**, and if you desaturate by 10%, it is **53.0206, 72.5928, 36.7707**.

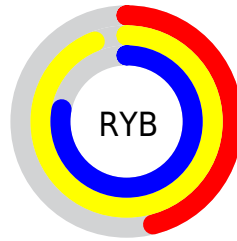
Distribution



Red (62%)

Green (94%)

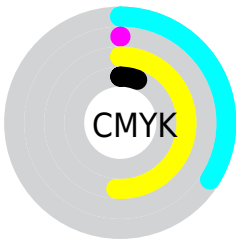
Blue (46%)



Red (46%)

Yellow (94%)

Blue (78%)

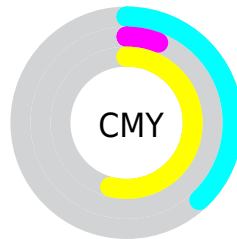


Cyan (34%)

Magenta (0%)

Yellow (51%)

Black (6%)



Cyan (38%)


Magenta (6%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0411, 70.2091, 28.1592 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 48.0411, 70.2091, 28.1592 by changing the saturation by 10% instead.


 48.0411, 70.2091,
28.1592


 48.0411, 70.2091,
28.1592


369.5349,
461.2839, 307.1627


 34.0708, 51.6970,
18.2056


 86.4749, 119.5069,
57.7647

 23.1112, 36.7636,
10.9267


 111.6692,
151.0614, 78.2536

 14.7968, 25.0245,
5.9040


 141.3355,
187.7322, 103.0915

 8.7623, 16.0953,
2.7190

175.8391,
229.9036, 132.6967

 4.6423, 9.5916,
0.9530

215.5456,
277.9601, 167.4879

 2.0715, 5.1291,
0.0000

260.8201,

 0.6737, 2.3232,

332.2860, 207.8836

0.0000

312.0281,
393.2658, 254.3024

0.0000, 0.7859,
0.0000

0.0000, 0.0000,
0.0000

48.0411, 70.2091,
28.1592

48.0411, 70.2091,
28.1592

43.8439, 68.1913,
21.4653

53.0206, 72.5928,
36.7707

40.3797, 66.5110,
16.5376


58.8175, 75.3514,
47.4266


37.6010, 65.1493,
13.2094


65.4708, 78.5044,
60.2484


35.4512, 64.0815,
11.2800

73.0155, 82.0675,
75.3466

 33.9307, 63.3148,
10.4327

 81.4842, 86.0552,
92.8244

 89.8594, 90.0620,
107.2553

 90.1580, 90.2159,
107.2693

Harmonies

Analogous

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



60.2993, 70.2091, 18.6710



48.0411, 70.2091, 28.1592



41.4920, 70.2091, 52.8934

Triad

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



48.0411, 70.2091, 28.1592



57.9011, 70.2091, 194.9443



101.4817, 70.2091, 58.9364

Complementary

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



48.0411, 70.2091, 28.1592



45.8812, 31.4704, 85.3214

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.



100.5629, 70.2091, 106.1202



48.0411, 70.2091, 28.1592



73.6059, 70.2091, 198.6930

Square

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



48.0411, 70.2091, 28.1592



46.5281, 70.2091, 152.6968



89.7324, 70.2091, 161.5087



92.0717, 70.2091, 31.0548

Rectangle

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



48.0411, 70.2091, 28.1592



40.4835, 70.2091, 80.3375



89.7324, 70.2091, 161.5087



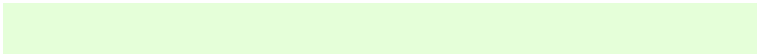
102.4086, 70.2091, 72.6818

Sweetspot

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



48.0428, 70.2121, 28.1607



80.5897, 93.1875, 79.2147



59.2163, 60.3553, 25.6693



16.8561, 19.7601, 16.1693



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.



48.0428, 70.2121, 28.1607



50.5344, 78.8738, 24.4782



42.9394, 67.4276, 34.8611



16.0455, 17.9036, 16.7598



18.8713, 35.0501, 5.7707



1.6700, 2.9674, 0.4848

Inverse Universe

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



45.8812, 31.4704, 85.3214



47.6953, 29.1897, 97.7281



54.8420, 36.4152, 71.0444



15.9302, 15.7612, 19.9242



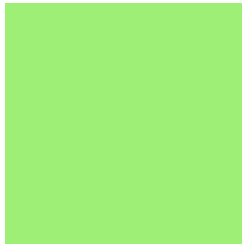
16.9842, 7.7611, 45.7307



1.5163, 0.6990, 3.8092

Previews

White Background



This preview shows how the XYZ color 48.0411, 70.2091, 28.1592 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 48.0411, 70.2091, 28.1592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

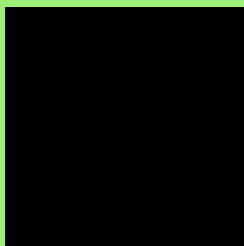
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.0411, 70.2091, 28.1592

Background



This preview shows how black text looks on a background with the XYZ color 48.0411, 70.2091, 28.1592.

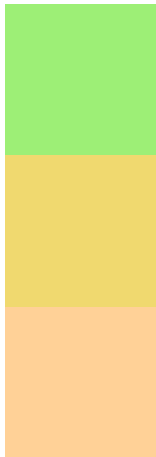


This preview shows how white text looks on a background with the XYZ color 48.0411, 70.2091,

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

48.0411, 70.2091, 28.1592

Protanopia

63.6173, 69.2987, 25.0619

Deuteranopia

69.6264, 69.0953, 38.9452



Tritanopia

61.2343, 69.6686, 95.0140

Trichromacy



Original Color

48.0411, 70.2091, 28.1592



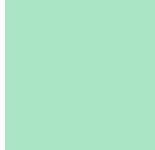
Protanomaly

56.5408, 68.7670, 26.2129



Deuteranomaly

59.4668, 68.1105, 34.4385



Tritanomaly

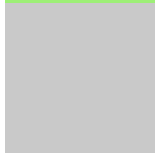
55.0674, 69.2169, 63.8839

Monochromacy



Original Color

48.0411, 70.2091, 28.1592



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

51.6587, 61.8554, 47.7447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0411, 70.2091, 28.1592 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(157, 239, 118)` looks like.

```
.text, #text, p{  
    color:rgb(157, 239, 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(157, 239, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 239, 118) }
```

Border

The CSS property to change the border of an element to XYZ 48.0411, 70.2091, 28.1592 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(157, 239, 118) }
```


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

```
.border{ border-color:rgb(157, 239, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 239, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 239, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 239, 118);  
box-shadow:4px 4px 4px 4px rgb(157, 239,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0411, 70.2091, 28.1592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 239, 118) }
```

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

```
.background{ background-color: rgb(157,  
239, 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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