

Converting Colors

XYZ(46.2819, 76.5741, 29.1371)

Have a look what the booklet for
XYZ(46.2819, 76.5741, 29.1371)
contains.

XYZ(46.3070, 76.5863, 29.1716)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.3070, 76.5863,
29.1716)**

Conversions

Conversions Part 1

Format	Color
Hex	75FF75
RGB	117, 255, 117
RGB Percent	46%, 100%, 46%
CMY	0.5412, 0.0000, 0.5412
CMYK	0.54, 0.00, 0.54, 0.00
HSL	120°, 100%, 73%
HSV	120°, 54%, 100%
XYZ	46.3070, 76.5863, 29.1716
YIQ	198.0060, -37.9500, -72.1740

Conversions

Conversions Part 2

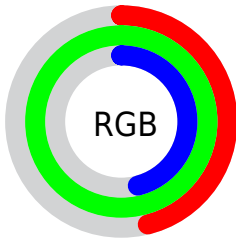
Format	Color
RYB	117, 255, 255
Decimal	7733109
CIELab	90.13, -64.03, 54.05
CIELCh	90, 83.791, 139.828
Yxy	76.5863, 0.3045, 0.5036
Android (android.graphics.Color)	4285923189 (0xFF75FF75)
YUV	198.0060, -39.9360, -71.0423
Hunter-Lab	87.5136, -58.6972, 41.4959

Details

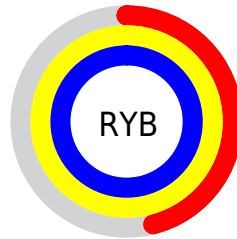
The XYZ color **46.3070, 76.5863, 29.1716** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **65.6509, 41.2025, 99.0978**, and the grayscale version is **53.9317, 56.7404, 61.7903**.

A 20% lighter version of the original color is **61.5665, 83.9635, 51.9914**, and **22.0357, 40.8957, 11.4349** is the 20% darker color. If you saturate the color by 10%, you get **42.0341, 74.5337, 22.1830**, and if you desaturate by 10%, it is **51.9218, 79.2833, 38.3564**.

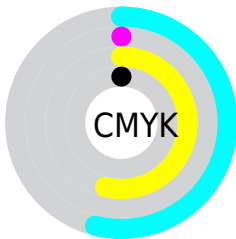
Distribution



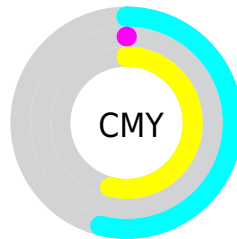
- Red (46%)
- Green (100%)
- Blue (46%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3070, 76.5863, 29.1716 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 46.3070, 76.5863, 29.1716 by changing the saturation by 10% instead.

46.3070, 76.5863,
29.1716

46.3070, 76.5863,
29.1716

362.7368,
483.3523, 312.1100

32.6938, 56.9134,
18.9640

83.9033, 128.5553,
59.3950

22.0501, 40.9357,
11.4677

108.6171,
161.6203, 80.2480

14.0105, 28.2689,
6.2642

137.7619,
199.9180, 105.4864

8.2097, 18.5284,
2.9350

171.7029,
243.8329, 135.5288

4.2824, 11.3300,
1.0616

210.8055,
293.7494, 170.7939

1.8631, 6.2893,
0.0000

255.4352,

0.5552, 3.0218,

350.0519, 211.7001

0.0000

305.9571,
413.1247, 258.6659

0.0000, 1.1431,
0.0000

0.0000, 0.0145,
0.0000

46.3070, 76.5863,
29.1716

46.3070, 76.5863,
29.1716

42.0341, 74.5337,
22.1830

51.9218, 79.2833,
38.3564

38.9903, 73.0717,
17.2043


58.9767, 82.6721,
49.8960

37.0463, 72.1379,
14.0243

67.5619, 86.7961,
63.9386

36.0433, 71.6561,
12.3835

77.7600, 91.6947,
80.6193

 35.7600, 71.5200,
11.9202

 89.6475, 97.4049,
100.0633

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



60.0505, 76.5863, 15.3812



46.3070, 76.5863, 29.1716



40.0937, 76.5863, 64.7514

Triad

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



46.3070, 76.5863, 29.1716



65.9553, 76.5863, 254.5994



117.2767, 76.5863, 50.2549

Complementary

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



46.3070, 76.5863, 29.1716



65.6509, 41.2025, 99.0978

Split Complementary

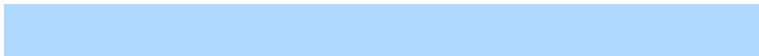
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



119.6882, 76.5863, 105.2993



46.3070, 76.5863, 29.1716



87.2214, 76.5863, 244.2386

Square

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



46.3070, 76.5863, 29.1716



49.9190, 76.5863, 205.1229



107.8344, 76.5863, 181.2639



101.7644, 76.5863, 22.9116

Rectangle

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



46.3070, 76.5863, 29.1716



40.0658, 76.5863, 104.5123



107.8344, 76.5863, 181.2639



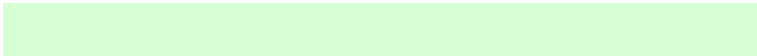
119.7461, 76.5863, 65.3236

Sweetspot

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



46.3073, 76.5864, 29.1728



75.7133, 90.7116, 77.2715



80.2109, 94.0644, 30.7585



15.7413, 19.1929, 15.7795



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.



46.3073, 76.5864, 29.1728



41.7177, 74.3818, 21.6655



51.9592, 78.8471, 58.9350



17.7717, 20.1682, 19.1006



18.6854, 37.3708, 6.2286



1.8193, 3.6387, 0.6065

Inverse Universe

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



65.6509, 41.2025, 99.0978



62.8826, 35.6662, 98.1745



56.4643, 37.5279, 50.7222



18.7927, 18.3004, 22.7917



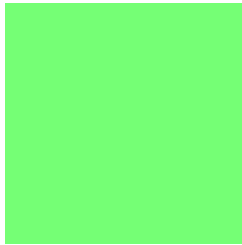
30.9798, 14.8812, 50.6716



3.0164, 1.4489, 4.9337

Previews

White Background



This preview shows how the XYZ color 46.3070, 76.5863, 29.1716 looks on a white background.

Color Contrast Check

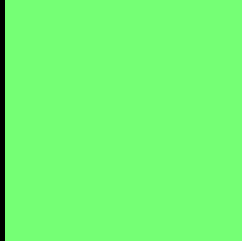
Large Text (above 18pt) WCAG AA × Fail

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 46.3070, 76.5863, 29.1716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

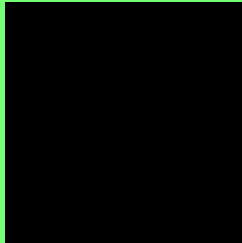
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

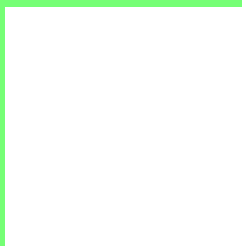
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3070, 76.5863, 29.1716

Background



This preview shows how black text looks on a background with the XYZ color 46.3070, 76.5863, 29.1716.

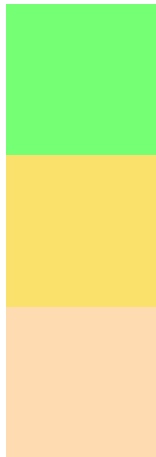


This preview shows how white text looks on a background with the XYZ color 46.3070, 76.5863,

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

46.3070, 76.5863, 29.1716

Protanopia

68.6460, 75.0517, 24.7783

Deuteranopia

74.5073, 75.0974, 52.1633



Tritanopia

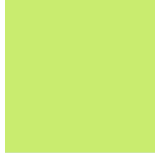
63.3225, 75.9461, 105.9294

Trichromacy



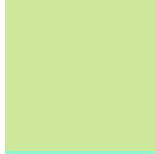
Original Color

46.3070, 76.5863, 29.1716



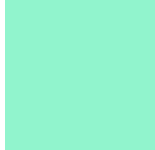
Protanomaly

56.9521, 73.5561, 26.2350



Deuteranomaly

59.9498, 73.0589, 41.9524



Tritanomaly

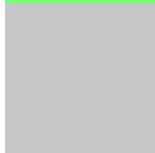
55.0472, 75.1289, 69.3576

Monochromacy



Original Color

46.3070, 76.5863, 29.1716



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

48.8551, 61.9626, 46.9212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3070, 76.5863, 29.1716 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(117, 255, 117)` looks like.

```
.text, #text, p{  
    color:rgb(117, 255, 117)  
}
```

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(117, 255, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 117) }
```

Border

The CSS property to change the border of an element to XYZ 46.3070, 76.5863, 29.1716 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(117, 255, 117) }
```


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

```
.border{ border-color:rgb(117, 255, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 255, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 255, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 255, 117);  
box-shadow:4px 4px 4px 4px rgb(117, 255,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3070, 76.5863, 29.1716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 117) }
```

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

```
.background{ background-color: rgb(117,  
255, 117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor