

Converting Colors

XYZ(29.1482, 40.8309, 17.7661)

Have a look what the booklet for
XYZ(29.1482, 40.8309, 17.7661)
contains.

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Color

**XYZ(29.0766, 40.8062,
17.6531)**

Conversions

Conversions Part 1

Format	Color
Hex	83BA61
RGB	131, 186, 97
RGB Percent	51%, 73%, 38%
CMY	0.4863, 0.2706, 0.6196
CMYK	0.30, 0.00, 0.48, 0.27
HSL	97°, 39%, 55%
HSV	97°, 48%, 73%
XYZ	29.0766, 40.8062, 17.6531
YIQ	159.4090, -4.2110, -39.3390

Conversions

Conversions Part 2

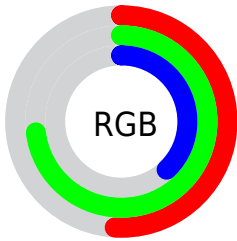
Format	Color
RYB	97, 186, 152
Decimal	8632929
CIELab	70.04, -33.96, 39.29
CIELCh	70, 51.930, 130.838
Yxy	40.8062, 0.3322, 0.4662
Android (android.graphics.Color)	4286823009 (0xFF83BA61)
YUV	159.4090, -30.7676, -24.9147
Hunter-Lab	63.8797, -30.5404, 28.3311

Details

The XYZ color **29.0766, 40.8062, 17.6531** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **26.0884, 18.7712, 48.7049**, and the grayscale version is **33.2809, 35.0141, 38.1304**.

A 20% lighter version of the original color is **57.4266, 76.1133, 40.0984**, and **11.9062, 18.3275, 5.5994** is the 20% darker color. If you saturate the color by 10%, you get **26.6266, 39.6331, 13.5301**, and if you desaturate by 10%, it is **31.9296, 42.1660, 22.8581**.

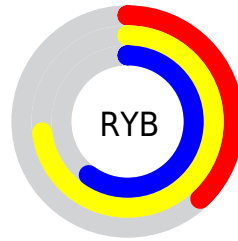
Distribution



Red (51%)

Green (73%)

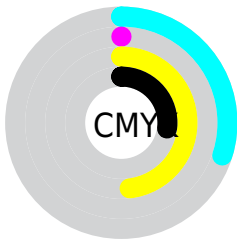
Blue (38%)



Red (38%)

Yellow (73%)

Blue (60%)

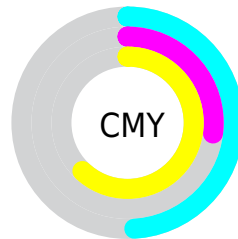


Cyan (30%)

Magenta (0%)

Yellow (48%)

Black (27%)



Cyan (49%)

Magenta (27%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0766, 40.8062, 17.6531 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 29.0766, 40.8062, 17.6531 by changing the saturation by 10% instead.

■ 29.0766, 40.8062,
17.6531

■ 29.0766, 40.8062,
17.6531

289.5639,
349.5100, 251.0785

■ 19.2833, 28.1677,
10.5344

■ 57.5955, 76.3896,
40.2512

■ 11.9804, 18.4521,
5.6445

■ 77.0518, 100.1033,
56.5677

■ 6.8024, 11.2751,
2.5649

■ 100.4599,
128.2775, 76.7872

■ 3.3841, 6.2522,
0.8742

■ 128.1851,
161.2966, 101.3282

■ 1.3600, 2.9990,
0.0000

160.5927,
199.5450, 130.6093

■ 0.2274, 1.1312,
0.0000

198.0482,

■ 0.0000, 0.0044,

243.4071, 165.0491

0.0000

240.9168,
293.2673, 205.0659

■ 0.0000, 0.0000,
0.0000

■ 29.0766, 40.8062,
17.6531

■ 29.0766, 40.8062,
17.6531

■ 26.6266, 39.6331,
13.5301

■ 31.9296, 42.1660,
22.8581

■ 24.5556, 38.6324,
10.4101

■ 35.2016, 43.7156,
29.2112

■ 22.8417, 37.7958,
8.2077


■ 38.9116, 45.4645,
36.7766


■ 21.4585, 37.1120,
6.8221

■ 43.0762, 47.4202,
45.6129


■ 20.3692, 36.5653,
6.0991


■ 47.7111, 49.5894,
55.7748

 20.1621, 36.4611,
5.9750

 52.8314, 51.9789,
67.3138

 58.4512, 54.5949,
80.2788

 64.5843, 57.4435,
94.7162

 69.6919, 59.9096,
102.4983

Harmonies

Analogous

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



35.8014, 40.8062, 12.5531



29.0766, 40.8062, 17.6531



25.3408, 40.8062, 30.8075

Triad

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



29.0766, 40.8062, 17.6531



33.6792, 40.8062, 104.6883



57.0889, 40.8062, 36.2219

Complementary

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



29.0766, 40.8062, 17.6531



26.0884, 18.7712, 48.7049

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.



56.3006, 40.8062, 61.5744



29.0766, 40.8062, 17.6531



41.9301, 40.8062, 107.8230

Square

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



29.0766, 40.8062, 17.6531



27.7183, 40.8062, 82.4620



50.4447, 40.8062, 89.9082



52.4635, 40.8062, 20.3699

Rectangle

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



29.0766, 40.8062, 17.6531



24.6685, 40.8062, 45.1171



50.4447, 40.8062, 89.9082



57.4635, 40.8062, 43.7519

Sweetspot

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



29.0776, 40.8080, 17.6540



73.1602, 83.6415, 72.1793



33.6184, 33.7225, 16.0470



15.7602, 18.2543, 15.1573



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.0776, 40.8080, 17.6540



48.2215, 71.8154, 24.4616



25.1640, 38.7308, 20.1661



9.2060, 10.2228, 9.5949



13.6416, 24.5688, 4.0233



0.5507, 0.9021, 0.1451

Inverse Universe

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



26.0884, 18.7712, 48.7049



42.1434, 27.2437, 87.2388



32.3246, 22.1090, 43.4415



9.0396, 8.9868, 11.3376



10.8005, 4.8790, 31.6256



0.4474, 0.2064, 1.1180

Previews

White Background



This preview shows how the XYZ color 29.0766, 40.8062, 17.6531 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 29.0766, 40.8062, 17.6531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

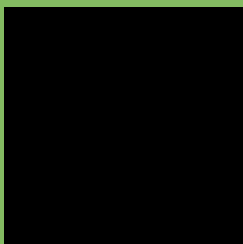
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.0766, 40.8062, 17.6531

Background



This preview shows how black text looks on a background with the XYZ color 29.0766, 40.8062, 17.6531.



This preview shows how white text looks on a background with the XYZ color 29.0766, 40.8062,

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

29.0766, 40.8062, 17.6531

Protanopia

37.2337, 40.5899, 15.9974

Deuteranopia

41.2775, 40.4391, 18.4619



Tritanopia

36.4967, 40.7881, 54.6645

Trichromacy



Original Color

29.0766, 40.8062, 17.6531

Protanomaly

33.4821, 40.0743, 16.5601

Deuteranomaly

35.5023, 39.6491, 18.0938

Tritanomaly

33.1372, 40.6183, 37.5461

Monochromacy



Original Color

29.0766, 40.8062, 17.6531

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.0263, 36.5431, 28.7108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0766, 40.8062, 17.6531 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(131, 186, 97)` looks like.

```
.text, #text, p{  
    color:rgb(131, 186, 97)  
}
```

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(131, 186, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 186, 97) }
```

Border

The CSS property to change the border of an element to XYZ 29.0766, 40.8062, 17.6531 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(131, 186, 97) }
```


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

```
.border{ border-color:rgb(131, 186, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 186, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 186, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 186, 97);  
box-shadow:4px 4px 4px 4px rgb(131, 186,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0766, 40.8062, 17.6531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 186, 97) }
```

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

```
.background{ background-color: rgb(131,  
186, 97) }
```

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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