

Converting Colors

XYZ(18.2804, 29.6449, 17.2177)

Have a look what the booklet for
XYZ(18.2804, 29.6449, 17.2177)
contains.

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Color

**XYZ(18.3313, 29.6867,
17.3343)**

Conversions

Conversions Part 1

Format	Color
Hex	40A766
RGB	64, 167, 102
RGB Percent	25%, 65%, 40%
CMY	0.7490, 0.3451, 0.6000
CMYK	0.62, 0.00, 0.39, 0.35
HSL	142°, 45%, 45%
HSV	142°, 62%, 65%
XYZ	18.3313, 29.6867, 17.3343
YIQ	128.7930, -40.5230, -42.0510

Conversions

Conversions Part 2

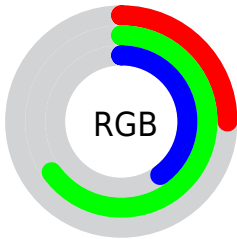
Format	Color
RYB	64, 139, 167
Decimal	4237158
CIELab	61.38, -44.66, 25.02
CIELCh	61, 51.196, 150.740
Yxy	29.6867, 0.2805, 0.4543
Android (android.graphics.Color)	4282427238 (0xFF40A766)
YUV	128.7930, -13.2089, -56.8235
Hunter-Lab	54.4855, -35.2944, 19.2770

Details

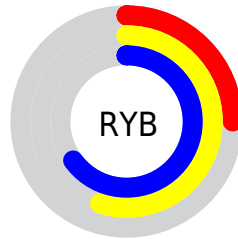
The XYZ color **18.3313, 29.6867, 17.3343** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **21.7331, 13.4678, 22.2238**, and the grayscale version is **20.8493, 21.9351, 23.8873**.

A 20% lighter version of the original color is **40.2465, 59.2460, 39.8863**, and **6.6832, 12.3010, 5.5121** is the 20% darker color. If you saturate the color by 10%, you get **16.9138, 29.0134, 14.7112**, and if you desaturate by 10%, it is **20.1419, 30.5566, 20.3240**.

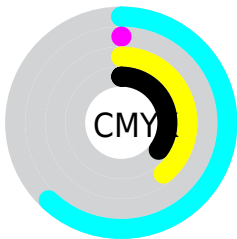
Distribution



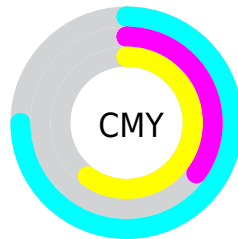
- Red (25%)
- Green (65%)
- Blue (40%)



- Red (25%)
- Yellow (55%)
- Blue (65%)



- Cyan (62%)
- Magenta (0%)
- Yellow (39%)
- Black (35%)



- Cyan (75%)
- Magenta (35%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3313, 29.6867, 17.3343 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 18.3313, 29.6867, 17.3343 by changing the saturation by 10% instead.

■ 18.3313, 29.6867,
17.3343

■ 18.3313, 29.6867,
17.3343

235.7415,
300.4414, 249.2004

■ 11.2892, 19.6009,
10.3087

■ 40.1267, 59.1664,
39.6982

■ 6.3304, 12.1053,
5.4958

■ 55.6108, 79.3290,
55.8735

■ 3.0896, 6.8154,
2.4772

■ 74.6396, 103.6194,
75.9357

■ 1.2013, 3.3469,
0.8281

■ 97.5784, 132.4219,
100.3035

■ 0.1074, 1.3154,
0.0000

■ 124.7926,
166.1210, 129.3953

■ 0.0000, 0.1531,
0.0000

156.6477,

■ 0.0000, 0.0000,

205.1010, 163.6297

0.0000

193.5088,
249.7463, 203.4252

■ 18.3313, 29.6867,
17.3343

■ 18.3313, 29.6867,
17.3343

■ 16.9138, 29.0134,
14.7112

■ 20.1419, 30.5566,
20.3240

■ 15.8547, 28.5166,
12.4382

■ 22.3721, 31.6341,
23.6920

■ 15.1165, 28.1782,
10.5004

■ 25.0485, 32.9334,
27.4517

■ 14.6782, 27.9821,
9.1294

■ 28.1949, 34.4665,
31.6156

■ 31.8332, 36.2445,
36.1952

■ 35.9841, 38.2779,
41.2018

■ 40.6669, 40.5763,
46.6463

■ 45.9000, 43.1491,
52.5390

■ 51.7008, 46.0049,
58.8900

Harmonies

Analogous

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



22.0825, 29.6867, 9.7300



18.3313, 29.6867, 17.3343



17.1165, 29.6867, 32.8070

Triad

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



18.3313, 29.6867, 17.3343



28.3845, 29.6867, 85.6334



40.9216, 29.6867, 16.7904

Complementary

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



18.3313, 29.6867, 17.3343



21.7331, 13.4678, 22.2238

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.



43.3040, 29.6867, 31.8453



18.3313, 29.6867, 17.3343



35.3923, 29.6867, 76.0136

Square

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



18.3313, 29.6867, 17.3343



22.3303, 29.6867, 76.8670



41.1371, 29.6867, 54.1354



35.0551, 29.6867, 9.5157

Rectangle

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



18.3313, 29.6867, 17.3343



17.7262, 29.6867, 47.3731



41.1371, 29.6867, 54.1354



42.1948, 29.6867, 20.8559

Sweetspot

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



18.3321, 29.6879, 17.3350



51.9330, 62.4278, 58.4650



23.8338, 32.6943, 9.9051



11.2415, 13.7846, 12.5956



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.3321, 29.6879, 17.3350



29.5244, 51.5980, 24.7832



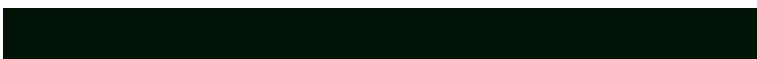
21.7058, 31.0374, 35.1006



7.5469, 8.4518, 8.6002



11.2534, 21.4201, 7.1014



0.2985, 0.5310, 0.3029

Inverse Universe

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



21.7331, 13.4678, 22.2238



36.1075, 20.0303, 34.1196



19.1361, 12.4290, 8.5484



7.7227, 7.6190, 8.8571



14.1853, 7.0828, 11.0534



0.3685, 0.1817, 0.3922

Previews

White Background



This preview shows how the XYZ color 18.3313, 29.6867, 17.3343 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3313, 29.6867, 17.3343 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 × Fail

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

XYZ 18.3313, 29.6867, 17.3343

Background



This preview shows how black text looks on a background with the XYZ color 18.3313, 29.6867, 17.3343.



This preview shows how white text looks on a background with the XYZ color 18.3313, 29.6867,

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

18.3313, 29.6867, 17.3343

Protanopia

26.9513, 29.1492, 14.7955

Deuteranopia

29.6872, 29.1311, 18.2455



Tritanopia

23.5908, 29.7061, 43.5202

Trichromacy



Original Color

18.3313, 29.6867, 17.3343



Protanomaly

22.1707, 28.3342, 15.6098



Deuteranomaly

23.3394, 27.9216, 17.7950



Tritanomaly

21.2474, 29.5250, 32.1828

Monochromacy



Original Color

18.3313, 29.6867, 17.3343



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.9779, 23.9801, 21.0811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3313, 29.6867, 17.3343 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(64, 167, 102)` looks like.

```
.text, #text, p{  
    color:rgb(64, 167, 102)  
}
```

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(64, 167, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 167, 102) }
```

Border

The CSS property to change the border of an element to XYZ 18.3313, 29.6867, 17.3343 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(64, 167, 102) }
```


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

```
.border{ border-color:rgb(64, 167, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 167, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 167, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 167, 102);  
box-shadow:4px 4px 4px 4px rgb(64, 167,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3313, 29.6867, 17.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 167, 102) }
```

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

```
.background{ background-color: rgb(64, 167,  
102) }
```

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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