

Converting Colors

XYZ(29.6140, 33.6687, 17.2678)

Have a look what the booklet for
XYZ(29.6140, 33.6687, 17.2678)
contains.

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Color

**XYZ(29.6177, 33.6583,
17.2476)**

Conversions

Conversions Part 1

Format	Color
Hex	A1A065
RGB	161, 160, 101
RGB Percent	63%, 63%, 40%
CMY	0.3686, 0.3725, 0.6039
CMYK	0.00, 0.01, 0.37, 0.37
HSL	59°, 24%, 51%
HSV	59°, 37%, 63%
XYZ	29.6177, 33.6583, 17.2476
YIQ	153.5730, 19.5350, -18.1370

Conversions

Conversions Part 2

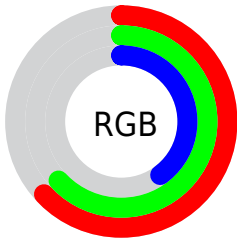
Format	Color
RYB	102, 161, 101
Decimal	10592357
CIELab	64.69, -8.82, 30.91
CIELCh	65, 32.142, 105.933
Yxy	33.6583, 0.3678, 0.4180
Android (android.graphics.Color)	4288782437 (0xFFA1A065)
YUV	153.5730, -25.9185, 6.5135
Hunter-Lab	58.0158, -10.4014, 22.9846

Details

The XYZ color **29.6177, 33.6583, 17.2476** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.5511, 14.8422, 35.7106**, and the grayscale version is **30.6327, 32.2280, 35.0963**.

A 20% lighter version of the original color is **58.6655, 65.6525, 39.7172**, and **12.2956, 14.3825, 5.4962** is the 20% darker color. If you saturate the color by 10%, you get **28.8590, 33.2820, 13.4769**, and if you desaturate by 10%, it is **30.5327, 34.0997, 21.8337**.

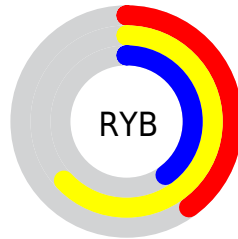
Distribution



Red (63%)

Green (63%)

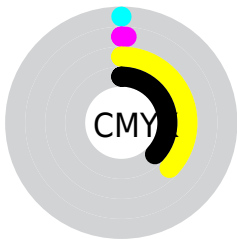
Blue (40%)



Red (40%)

Yellow (63%)

Blue (40%)

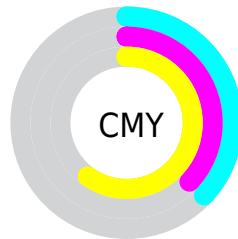


Cyan (0%)

Magenta (1%)

Yellow (37%)

Black (37%)



Cyan (37%)

Magenta (37%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6177, 33.6583, 17.2476 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 29.6177, 33.6583, 17.2476 by changing the saturation by 10% instead.


 29.6177, 33.6583,
17.2476


 29.6177, 33.6583,
17.2476


292.0603,
318.6057, 248.6873


 19.6952, 22.6312,
10.2474


 58.4479, 65.4019,
39.5475


 12.2807, 14.3214,
5.4555


 78.0862, 86.8873,
55.6842

 7.0087, 8.3446,
2.4536


 101.6940,
112.6275, 75.7034

 3.5139, 4.3162,
0.8154

 129.6364,
143.0070, 100.0238

 1.4310, 1.8520,
0.0000

162.2789,
178.4102, 129.0639

 0.2781, 0.5193,
0.0000

199.9868,

 0.0000, 0.0000,

219.2215, 163.2421

0.0000

243.1255,
265.8252, 202.9771

■ 29.6177, 33.6583,
17.2476

■ 29.6177, 33.6583,
17.2476

■ 28.8590, 33.2820,
13.4769

■ 30.5327, 34.0997,
21.8337

■ 28.2451, 32.9626,
10.4718

■ 31.6099, 34.6049,
27.2768

■ 27.7668, 32.6976,
8.1801

■ 32.8578, 35.1785,
33.6186

■ 27.4128, 32.4824,
6.5426

■ 34.2837, 35.8235,
40.8970

■ 27.1700, 32.3119,
5.4903

■ 35.8943, 36.5426,
49.1480

■ 27.0176, 32.1778,
4.9134

■ 37.6963, 37.3383,
58.4057

■ 26.9809, 32.1431,
4.7822

■ 39.6956, 38.2132,
68.7024

■ 41.8982, 39.1695,
80.0691

■ 44.3097, 40.2096,
92.5355

Harmonies

Analogous

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



34.1957, 33.6583, 17.1184



29.6177, 33.6583, 17.2476



26.0322, 33.6583, 21.6686

Triad

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



29.6177, 33.6583, 17.2476



26.2107, 33.6583, 58.0968



41.3887, 33.6583, 43.1750

Complementary

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



29.6177, 33.6583, 17.2476



16.5511, 14.8422, 35.7106

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.



38.7965, 33.6583, 57.3050



29.6177, 33.6583, 17.2476



29.8836, 33.6583, 67.2214

Square

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



29.6177, 33.6583, 17.2476



24.1981, 33.6583, 44.0727



34.4882, 33.6583, 66.9010



41.3000, 33.6583, 30.1081

Rectangle

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



29.6177, 33.6583, 17.2476



24.5571, 33.6583, 27.2350



34.4882, 33.6583, 66.9010



40.7920, 33.6583, 48.0132

Sweetspot

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



29.6185, 33.6598, 17.2483



57.9277, 62.5822, 55.5360



21.7501, 17.8441, 14.8687



12.6426, 13.6968, 11.8656



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



29.6185, 33.6598, 17.2483



51.8612, 59.6951, 25.0101



24.6097, 31.3349, 17.0635



7.6393, 8.2170, 7.5635



21.5521, 25.6781, 3.8205



0.4558, 0.5454, 0.0813

Inverse Universe

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



16.5511, 14.8422, 35.7106



24.9027, 20.8753, 63.1033



20.2929, 16.6268, 35.8579



6.7094, 6.8779, 8.8770



5.1640, 2.1075, 27.0644



0.1112, 0.0496, 0.5696

Previews

White Background



This preview shows how the XYZ color 29.6177, 33.6583, 17.2476 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 29.6177, 33.6583, 17.2476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

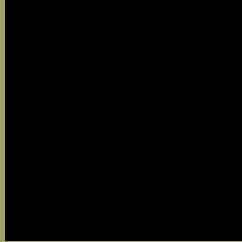
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.6177, 33.6583, 17.2476

Background



This preview shows how black text looks on a background with the XYZ color 29.6177, 33.6583, 17.2476.



This preview shows how white text looks on a background with the XYZ color 29.6177, 33.6583,

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

29.6177, 33.6583, 17.2476

Protanopia

31.1518, 33.6920, 16.9179

Deuteranopia

34.0936, 33.4833, 17.4980



Tritanopia

34.0775, 33.4616, 39.7846

Trichromacy



Original Color

29.6177, 33.6583, 17.2476

Protanomaly

30.4635, 33.5893, 16.9344

Deuteranomaly

32.3140, 33.5355, 17.3402

Tritanomaly

32.0461, 33.3651, 29.9504

Monochromacy



Original Color

29.6177, 33.6583, 17.2476

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.1663, 32.6943, 27.6424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6177, 33.6583, 17.2476 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(161, 160, 101)` looks like.

```
.text, #text, p{  
    color:rgb(161, 160, 101)  
}
```

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(161, 160, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 160, 101) }
```

Border

The CSS property to change the border of an element to XYZ 29.6177, 33.6583, 17.2476 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(161, 160, 101) }
```


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

```
.border{ border-color:rgb(161, 160, 101) }
```

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

Here you see how a box with a 4 pixel rgb(161, 160, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 160, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 160, 101);  
box-shadow:4px 4px 4px 4px rgb(161, 160,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6177, 33.6583, 17.2476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 160, 101) }
```

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

```
.background{ background-color: rgb(161,  
160, 101) }
```

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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