

Converting Colors

XYZ(29.7920, 33.9835, 18.3543)

Have a look what the booklet for
XYZ(29.7920, 33.9835, 18.3543)
contains.

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Color

**XYZ(29.7919, 33.9832,
18.3538)**

Conversions

Conversions Part 1

Format	Color
Hex	A0A169
RGB	160, 161, 105
RGB Percent	63%, 63%, 41%
CMY	0.3725, 0.3686, 0.5882
CMYK	0.01, 0.00, 0.35, 0.37
HSL	61°, 23%, 52%
HSV	61°, 35%, 63%
XYZ	29.7919, 33.9832, 18.3538
YIQ	154.3170, 17.3800, -17.6280

Conversions

Conversions Part 2

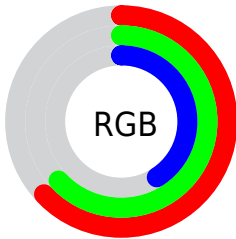
Format	Color
RYB	105, 161, 106
Decimal	10527081
CIELab	64.95, -9.28, 29.09
CIELCh	65, 30.530, 107.687
Yxy	33.9832, 0.3627, 0.4138
Android (android.graphics.Color)	4288717161 (0xFFA0A169)
YUV	154.3170, -24.3133, 4.9840
Hunter-Lab	58.2951, -10.7935, 22.1395

Details

The XYZ color **29.7919, 33.9832, 18.3538** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.4296, 15.7413, 35.8398**, and the grayscale version is **30.9534, 32.5654, 35.4637**.

A 20% lighter version of the original color is **58.6660, 65.9931, 41.5442**, and **12.3779, 14.5731, 6.0314** is the 20% darker color. If you saturate the color by 10%, you get **28.9843, 33.6547, 14.3978**, and if you desaturate by 10%, it is **30.7581, 34.3775, 23.1364**.

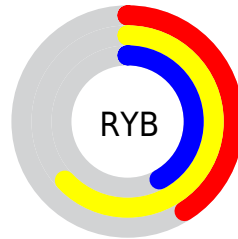
Distribution



Red (63%)

Green (63%)

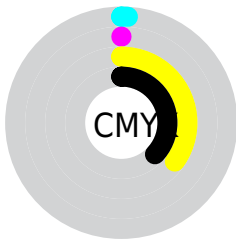
Blue (41%)



Red (41%)

Yellow (63%)

Blue (42%)

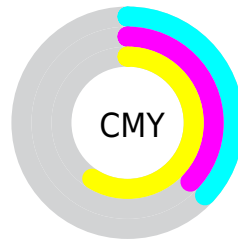


Cyan (1%)

Magenta (0%)

Yellow (35%)

Black (37%)



Cyan (37%)


Magenta (37%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7919, 33.9832, 18.3538 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 29.7919, 33.9832, 18.3538 by changing the saturation by 10% instead.


 29.7919, 33.9832,
18.3538


 29.7919, 33.9832,
18.3538


292.8605,
320.0571, 255.1605

 19.8280, 22.8807,
11.0322


 58.7218, 65.9075,
41.4613


 12.3776, 14.5054,
5.9741


 78.4185, 87.4982,
58.0844

 7.0754, 8.4730,
2.7608


 102.0902,
113.3536, 78.6450

 3.5561, 4.3991,
0.9738

 130.1022,
143.8583, 103.5617

 1.4542, 1.8992,
0.0000

162.8199,
179.3966, 133.2531

 0.2943, 0.5479,
0.0000

200.6086,

 0.0000, 0.0000,

220.3529, 168.1376

0.0000

243.8337,
267.1116, 208.6339

■ 29.7919, 33.9832,
18.3538

■ 29.7919, 33.9832,
18.3538

■ 28.9843, 33.6547,
14.3978

■ 30.7581, 34.3775,
23.1364

■ 28.3238, 33.3838,
11.2197

■ 31.8884, 34.8364,
28.7865

■ 27.8015, 33.1683,
8.7687


■ 33.1914, 35.3642,
35.3449


■ 27.4065, 33.0037,
6.9873


■ 34.6741, 35.9640,
42.8492


■ 27.1262, 32.8850,
5.8094


■ 36.3432, 36.6384,
51.3347


 26.9451, 32.8060,
5.1532

 38.2053, 37.3900,
60.8350

 26.8695, 32.7723,
4.9095

 40.2662, 38.2212,
71.3823

 42.5319, 39.1342,
83.0070

 45.0080, 40.1314,
95.7386

Harmonies

Analogous

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



34.1421, 33.9832, 17.9870



29.7919, 33.9832, 18.3538



26.4271, 33.9832, 22.9444

Triad

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



29.7919, 33.9832, 18.3538



26.9219, 33.9832, 58.0196



41.3121, 33.9832, 42.4255

Complementary

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



29.7919, 33.9832, 18.3538



17.4296, 15.7413, 35.8398

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.



38.9843, 33.9832, 55.8737



29.7919, 33.9832, 18.3538



30.5254, 33.9832, 66.1573

Square

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



29.7919, 33.9832, 18.3538



24.8768, 33.9832, 44.8805



34.9451, 33.9832, 65.2930



41.0701, 33.9832, 30.1039

Rectangle

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



29.7919, 33.9832, 18.3538



25.0739, 33.9832, 28.5272



34.9451, 33.9832, 65.2930



40.7960, 33.9832, 47.0080

Sweetspot

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



29.7927, 33.9847, 18.3545



58.1394, 62.8043, 56.7426



22.3960, 18.8921, 15.8312



12.6845, 13.7470, 12.1110



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.



29.7927, 33.9847, 18.3545



52.1726, 60.3786, 27.0831



24.8221, 31.4222, 18.1219



7.6368, 8.2308, 7.5663



21.4626, 26.1748, 3.9211



0.4546, 0.5519, 0.0826

Inverse Universe

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



17.4296, 15.7413, 35.8398



26.5394, 22.5509, 63.3405



21.3065, 17.7399, 36.0213



6.7117, 6.8657, 8.8745



5.1705, 2.0720, 27.0572



0.1120, 0.0452, 0.5687

Previews

White Background



This preview shows how the XYZ color 29.7919, 33.9832, 18.3538 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 29.7919, 33.9832, 18.3538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

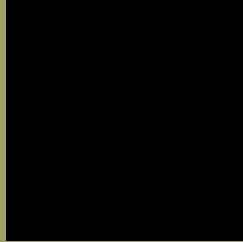
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.7919, 33.9832, 18.3538

Background



This preview shows how black text looks on a background with the XYZ color 29.7919, 33.9832, 18.3538.



This preview shows how white text looks on a background with the XYZ color 29.7919, 33.9832,

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

29.7919, 33.9832, 18.3538

Protanopia

31.3502, 33.7713, 17.9629

Deuteranopia

34.4595, 33.8861, 18.6344



Tritanopia

34.3749, 34.0799, 40.8427

Trichromacy



Original Color

29.7919, 33.9832, 18.3538

Protanomaly

30.6619, 33.6687, 17.9794

Deuteranomaly

32.6830, 33.9483, 18.4658

Tritanomaly

32.4009, 34.0201, 31.2444

Monochromacy



Original Color

29.7919, 33.9832, 18.3538

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.2112, 32.9594, 28.0621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7919, 33.9832, 18.3538 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(160, 161, 105)` looks like.

```
.text, #text, p{  
    color:rgb(160, 161, 105)  
}
```

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(160, 161, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 161, 105) }
```

Border

The CSS property to change the border of an element to XYZ 29.7919, 33.9832, 18.3538 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(160, 161, 105) }
```


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

```
.border{ border-color:rgb(160, 161, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 161, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 161, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 161, 105);  
box-shadow:4px 4px 4px 4px rgb(160, 161,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7919, 33.9832, 18.3538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 161, 105) }
```

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

```
.background{ background-color: rgb(160,  
161, 105) }
```

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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