

Converting Colors

XYZ(29.6862, 34.0641, 18.2068)

Have a look what the booklet for
XYZ(29.6862, 34.0641, 18.2068)
contains.

XYZ(29.7171, 34.2111, 18.1338)	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(29.7171, 34.2111,
18.1338)**

Conversions

Conversions Part 1

Format	Color
Hex	9FA268
RGB	159, 162, 104
RGB Percent	62%, 64%, 41%
CMY	0.3765, 0.3647, 0.5922
CMYK	0.02, 0.00, 0.36, 0.36
HSL	63°, 24%, 52%
HSV	63°, 36%, 64%
XYZ	29.7171, 34.2111, 18.1338
YIQ	154.4910, 16.8300, -18.6740

Conversions

Conversions Part 2

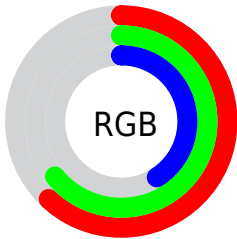
Format	Color
RYB	104, 162, 107
Decimal	10461800
CIELab	65.13, -10.34, 29.84
CIElCh	65, 31.582, 109.108
Yxy	34.2111, 0.3621, 0.4169
Android (android.graphics.Color)	4288651880 (0xFF9FA268)
YUV	154.4910, -24.8921, 3.9544
Hunter-Lab	58.4903, -11.6676, 22.5614

Details

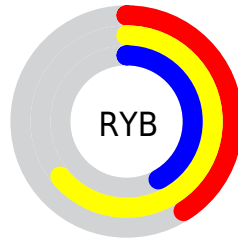
The XYZ color **29.7171, 34.2111, 18.1338** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.5366, 15.6359, 36.2782**, and the grayscale version is **31.0328, 32.6489, 35.5547**.

A 20% lighter version of the original color is **58.5452, 66.3221, 41.1683**, and **12.2336, 14.5016, 5.8957** is the 20% darker color. If you saturate the color by 10%, you get **28.8065, 33.8289, 14.2008**, and if you desaturate by 10%, it is **30.7886, 34.6602, 22.9010**.

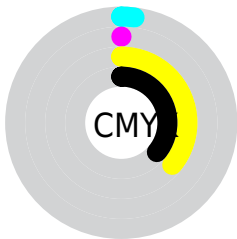
Distribution



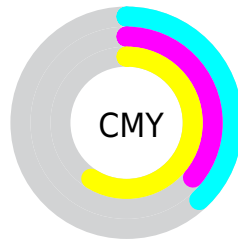
- Red (62%)
- Green (64%)
- Blue (41%)



- Red (41%)
- Yellow (64%)
- Blue (42%)



- Cyan (2%)
- Magenta (0%)
- Yellow (36%)
- Black (36%)



- Cyan (38%)
- Magenta (36%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7171, 34.2111, 18.1338 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 29.7171, 34.2111, 18.1338 by changing the saturation by 10% instead.

■ 29.7171, 34.2111,
18.1338

■ 29.7171, 34.2111,
18.1338

292.5171,
321.0723, 253.8855

■ 19.7710, 23.0558,
10.8757

■ 58.6042, 66.2618,
41.0822

■ 12.3360, 14.6347,
5.8702

■ 78.2759, 87.9260,
57.6095

■ 7.0467, 8.5634,
2.6988

■ 101.9201,
113.8620, 78.0637

■ 3.5379, 4.4575,
0.9428

■ 129.9023,
144.4542, 102.8632

■ 1.4442, 1.9327,
0.0000

162.5877,
180.0869, 132.4266

■ 0.2874, 0.5679,
0.0000

200.3417,

■ 0.0000, 0.0000,

221.1446, 167.1724

0.0000

243.5297,
268.0116, 207.5192

■ 29.7171, 34.2111,
18.1338

■ 29.7171, 34.2111,
18.1338

■ 28.8065, 33.8289,
14.2008

■ 30.7886, 34.6602,
22.9010

■ 28.0453, 33.5054,
11.0519

■ 32.0269, 35.1749,
28.5442

■ 27.4242, 33.2381,
8.6351


■ 33.4406, 35.7599,
35.1052


■ 26.9320, 33.0224,
6.8914


■ 35.0369, 36.4182,
42.6222


■ 26.5558, 32.8533,
5.7523


■ 36.8228, 37.1523,
51.1314


 26.2782, 32.7237,
5.1265

 38.8048, 37.9651,
60.6671

 26.1740, 32.6743,
4.9273

 40.9890, 38.8589,
71.2621

 43.3815, 39.8361,
82.9474

 45.9878, 40.8989,
95.7531

Harmonies

Analogous

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



34.2099, 34.2111, 17.5609



29.7171, 34.2111, 18.1338



26.3011, 34.2111, 23.0541

Triad

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



29.7171, 34.2111, 18.1338



27.0836, 34.2111, 59.7639



41.9577, 34.2111, 42.2239

Complementary

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



29.7171, 34.2111, 18.1338



17.5366, 15.6359, 36.2782

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.



39.6415, 34.2111, 56.3286



29.7171, 34.2111, 18.1338



30.8802, 34.2111, 67.9257

Square

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



29.7171, 34.2111, 18.1338



24.8823, 34.2111, 46.1350



35.4867, 34.2111, 66.5387



41.5717, 34.2111, 29.5861

Rectangle

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



29.7171, 34.2111, 18.1338



24.9608, 34.2111, 28.9576



35.4867, 34.2111, 66.5387



41.4613, 34.2111, 46.9914

Sweetspot

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



29.7180, 34.2126, 18.1345



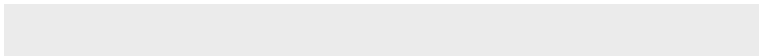
59.2779, 64.3258, 57.0773



22.6474, 19.1763, 15.6049



13.2407, 14.4171, 12.4820



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



29.7180, 34.2126, 18.1345



52.5995, 61.5400, 27.0799



24.6416, 31.5957, 17.8969



7.6130, 8.2185, 7.5652



20.6307, 25.7460, 3.8821



0.4437, 0.5462, 0.0821

Inverse Universe

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



17.5366, 15.6359, 36.2782



27.1426, 22.7100, 65.0090



21.6101, 17.7359, 36.4689



6.7328, 6.8766, 8.8755



5.2321, 2.1037, 27.0601



0.1195, 0.0491, 0.5690

Previews

White Background



This preview shows how the XYZ color 29.7171, 34.2111, 18.1338 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 29.7171, 34.2111, 18.1338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

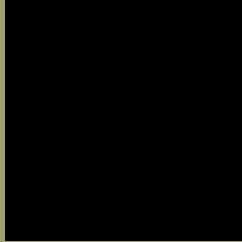
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.7171, 34.2111, 18.1338

Background



This preview shows how black text looks on a background with the XYZ color 29.7171, 34.2111, 18.1338.



This preview shows how white text looks on a background with the XYZ color 29.7171, 34.2111,

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

29.7171, 34.2111, 18.1338

Protanopia

31.6384, 34.1837, 17.5010

Deuteranopia

34.6544, 33.9926, 18.3704



Tritanopia

34.3749, 34.0799, 40.8427

Trichromacy



Original Color

29.7171, 34.2111, 18.1338

Protanomaly

30.7827, 33.9910, 17.7705

Deuteranomaly

32.6312, 33.9276, 18.1934

Tritanomaly

32.3247, 33.9896, 30.8436

Monochromacy



Original Color

29.7171, 34.2111, 18.1338

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 29.7171, 34.2111, 18.1338 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(159, 162, 104)` looks like.

```
.text, #text, p{  
    color:rgb(159, 162, 104)  
}
```

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(159, 162, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 162, 104) }
```

Border

The CSS property to change the border of an element to XYZ 29.7171, 34.2111, 18.1338 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(159, 162, 104) }
```


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

```
.border{ border-color:rgb(159, 162, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 162, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 162, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 162, 104);  
box-shadow:4px 4px 4px 4px rgb(159, 162,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7171, 34.2111, 18.1338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 162, 104) }
```

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

```
.background{ background-color: rgb(159,  
162, 104) }
```

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