

Converting Colors

XYZ(18.2612, 34.7551, 7.8671)

Have a look what the booklet for
XYZ(18.2612, 34.7551, 7.8671)
contains.

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Color

**XYZ(18.3037, 34.8344,
7.8568)**

Conversions

Conversions Part 1

Format	Color
Hex	25B829
RGB	37, 184, 41
RGB Percent	15%, 72%, 16%
CMY	0.8549, 0.2784, 0.8392
CMYK	0.80, 0.00, 0.78, 0.28
HSL	122°, 67%, 43%
HSV	122°, 80%, 72%
XYZ	18.3037, 34.8344, 7.8568
YIQ	123.7450, -41.7090, -75.6370

Conversions

Conversions Part 2

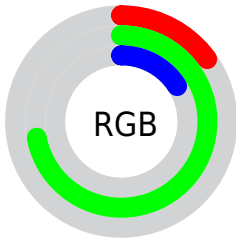
Format	Color
RYB	37, 180, 184
Decimal	2471977
CIELab	65.62, -63.07, 57.46
CIElCh	66, 85.320, 137.666
Yxy	34.8344, 0.3001, 0.5711
Android (android.graphics.Color)	4280662057 (0xFF25B829)
YUV	123.7450, -40.7933, -76.0754
Hunter-Lab	59.0207, -47.9291, 33.4218

Details

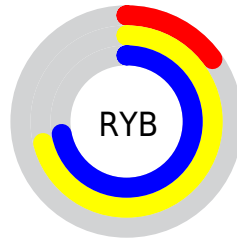
The XYZ color **18.3037, 34.8344, 7.8568** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **28.6677, 14.8092, 44.5270**, and the grayscale version is **19.2156, 20.2163, 22.0156**.

A 20% lighter version of the original color is **40.0434, 67.0887, 22.1482**, and **7.8503, 15.7005, 2.6168** is the 20% darker color. If you saturate the color by 10%, you get **17.5577, 34.4791, 6.5460**, and if you desaturate by 10%, it is **19.5258, 35.4208, 9.9325**.

Distribution



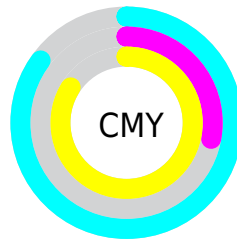
- Red (15%)
- Green (72%)
- Blue (16%)



- Red (15%)
- Yellow (71%)
- Blue (72%)



- Cyan (80%)
- Magenta (0%)
- Yellow (78%)
- Black (28%)





- Cyan (85%)
- Magenta (28%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.3037, 34.8344, 7.8568 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 18.3037, 34.8344, 7.8568 by changing the saturation by 10% instead.


 18.3037, 34.8344,
7.8568


 18.3037, 34.8344,
7.8568


235.5899,
323.8368, 184.4969


 11.2693, 23.5353,
3.9170


 40.0802, 67.2291,
22.2188


 6.3169, 14.9893,
1.5799


 55.5529, 89.0936,
33.4780

 3.0812, 8.8119,
0.2764


 74.5692, 115.2487,
48.0141

 1.1968, 4.6187,
0.0000

 97.4942, 146.0788,
66.2456

 0.1039, 2.0253,
0.0000

 124.6935,
181.9682, 88.5912

 0.0000, 0.6221,
0.0000

 156.5323,

 0.0000, 0.0000,

223.3014, 115.4692

0.0000

193.3760,
270.4628, 147.2983

■ 18.3037, 34.8344,
7.8568

■ 18.3037, 34.8344,
7.8568

■ 17.5577, 34.4791,
6.5460

■ 19.5258, 35.4208,
9.9325

■ 17.1722, 34.2951,
5.8641

■ 21.2826, 36.2634,
12.8628

■ 17.1686, 34.2934,
5.8583

■ 23.6271, 37.3889,
16.7273

■ 26.6051, 38.8195,
21.5963

■ 30.2579, 40.5749,
27.5329

■ 34.6233, 42.6736,
34.5954

■ 39.7364, 45.1323,
42.8376

■ 45.6298, 47.9669,
52.3102

■ 52.3344, 51.1923,
63.0605

Harmonies

Analogous

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



26.3239, 34.8344, 2.8564



18.3037, 34.8344, 7.8568



14.7115, 34.8344, 25.0180

Triad

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



18.3037, 34.8344, 7.8568



28.2253, 34.8344, 153.1237



61.7742, 34.8344, 20.6092

Complementary

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



18.3037, 34.8344, 7.8568



28.6677, 14.8092, 44.5270

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.



62.6572, 34.8344, 54.6568



18.3037, 34.8344, 7.8568



40.9702, 34.8344, 148.9514

Square

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



18.3037, 34.8344, 7.8568



19.3918, 34.8344, 115.1977



54.2991, 34.8344, 105.9413



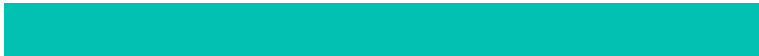
52.1255, 34.8344, 6.3729

Rectangle

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



18.3037, 34.8344, 7.8568



14.5140, 34.8344, 47.8954



54.2991, 34.8344, 105.9413



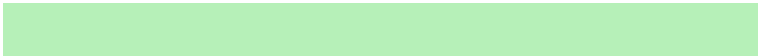
63.1800, 34.8344, 29.4505

Sweetspot

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



18.3045, 34.8358, 7.8576



59.0283, 75.5595, 56.6775



36.6612, 44.3067, 8.3702



12.1346, 16.0051, 11.2623



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



18.3045, 34.8358, 7.8576



31.2843, 62.2425, 10.8498



20.8821, 35.8669, 21.4311



8.9000, 10.0640, 9.6308



11.8363, 23.6355, 4.0599



0.4206, 0.8346, 0.1609

Inverse Universe

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



28.6677, 14.8092, 44.5270



50.7072, 24.5888, 79.4880



23.1391, 12.5978, 15.4140



9.3701, 9.1584, 11.2963



19.2347, 9.2676, 30.1865



0.6814, 0.3280, 1.0817

Previews

White Background



This preview shows how the XYZ color 18.3037, 34.8344, 7.8568 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 18.3037, 34.8344, 7.8568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

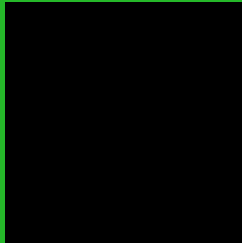
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.3037, 34.8344, 7.8568

Background



This preview shows how black text looks on a background with the XYZ color 18.3037, 34.8344, 7.8568.



This preview shows how white text looks on a background with the XYZ color 18.3037, 34.8344,

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

18.3037, 34.8344, 7.8568

Protanopia

30.8757, 34.0342, 6.4553

Deuteranopia

34.6461, 33.9685, 8.4719



Tritanopia

26.8871, 34.4676, 51.1348

Trichromacy



Original Color

18.3037, 34.8344, 7.8568



Protanomaly

22.9050, 32.2830, 6.7743



Deuteranomaly

24.1653, 31.5686, 7.9517



Tritanomaly

22.0057, 33.9024, 27.5743

Monochromacy



Original Color

18.3037, 34.8344, 7.8568



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

16.7129, 23.6412, 14.2720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3037, 34.8344, 7.8568 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(37, 184, 41)` looks like.

```
.text, #text, p{  
    color:rgb(37, 184, 41)  
}
```

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(37, 184, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 184, 41) }
```

Border

The CSS property to change the border of an element to XYZ 18.3037, 34.8344, 7.8568 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(37, 184, 41) }
```


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

```
.border{ border-color:rgb(37, 184, 41) }
```

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

Here you see how a box with a 4 pixel rgb(37, 184, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 184, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 184, 41);  
box-shadow:4px 4px 4px 4px rgb(37, 184,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3037, 34.8344, 7.8568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 184, 41) }
```

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

```
.background{ background-color: rgb(37, 184,  
41) }
```

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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