

Converting Colors

XYZ(18.0913, 34.7174, 8.2452)

Have a look what the booklet for
XYZ(18.0913, 34.7174, 8.2452)
contains.

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Color

**XYZ(18.0930, 34.7173,
8.2301)**

Conversions

Conversions Part 1

Format	Color
Hex	1CB82D
RGB	28, 184, 45
RGB Percent	11%, 72%, 18%
CMY	0.8902, 0.2784, 0.8235
CMYK	0.85, 0.00, 0.76, 0.28
HSL	127°, 74%, 42%
HSV	127°, 85%, 72%
XYZ	18.0930, 34.7173, 8.2301
YIQ	121.5100, -48.3570, -76.3010

Conversions

Conversions Part 2

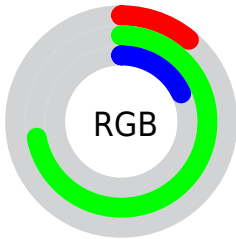
Format	Color
RYB	28, 169, 184
Decimal	1882157
CIELab	65.53, -63.79, 56.00
CIELCh	66, 84.884, 138.718
Yxy	34.7173, 0.2964, 0.5688
Android (android.graphics.Color)	4280072237 (0xFF1CB82D)
YUV	121.5100, -37.7194, -82.0083
Hunter-Lab	58.9214, -48.3004, 32.9634

Details

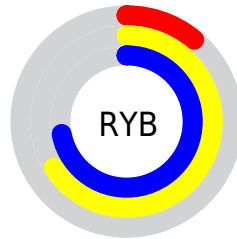
The XYZ color **18.0930, 34.7173, 8.2301** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **27.1581, 13.8112, 37.7927**, and the grayscale version is **18.4699, 19.4317, 21.1612**.

A 20% lighter version of the original color is **39.5812, 66.8340, 22.8707**, and **7.8503, 15.7005, 2.6168** is the 20% darker color. If you saturate the color by 10%, you get **17.4783, 34.4311, 6.8620**, and if you desaturate by 10%, it is **19.1391, 35.2138, 10.2597**.

Distribution



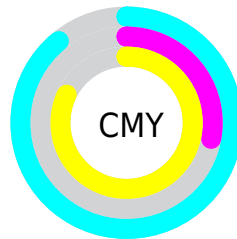
- Red (11%)
- Green (72%)
- Blue (18%)



- Red (11%)
- Yellow (66%)
- Blue (72%)



- Cyan (85%)
- Magenta (0%)
- Yellow (76%)
- Black (28%)





- Cyan (89%)
- Magenta (28%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0930, 34.7173, 8.2301 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 18.0930, 34.7173, 8.2301 by changing the saturation by 10% instead.


 18.0930, 34.7173,
8.2301


 18.0930, 34.7173,
8.2301


234.4302,
323.3187, 187.5273


 11.1169, 23.4452,
4.1527


 39.7246, 67.0476,
22.9619


 6.2134, 14.9226,
1.7095


 55.1107, 88.8746,
34.4533

 3.0171, 8.7651,
0.3672


 74.0309, 114.9886,
49.2531

 1.1628, 4.5883,
0.0000

 96.8505, 145.7741,
67.7799

 0.0767, 2.0078,
0.0000

 123.9349,
181.6155, 90.4522

 0.0000, 0.6120,
0.0000

 155.6494,

 0.0000, 0.0000,

222.8971, 117.6885

0.0000

192.3594,
270.0034, 149.9073

■ 18.0930, 34.7173,
8.2301

■ 18.0930, 34.7173,
8.2301

■ 17.4783, 34.4311,
6.8620

■ 19.1391, 35.2138,
10.2597

■ 17.2680, 34.3331,
6.3813

■ 20.6758, 35.9465,
13.0178

■ 22.7551, 36.9421,
16.5654

■ 25.4219, 38.2224,
20.9568

■ 28.7165, 39.8073,
26.2412

■ 32.6752, 41.7145,
32.4644

■ 37.3321, 43.9605,
39.6687

■ 42.7184, 46.5608,
47.8939

■ 48.8637, 49.5297,
57.1778

Harmonies

Analogous

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



25.9035, 34.7173, 2.9651



18.0930, 34.7173, 8.2301



14.6642, 34.7173, 25.9245

Triad

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



18.0930, 34.7173, 8.2301



28.5375, 34.7173, 152.5819



61.2209, 34.7173, 19.8082

Complementary

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



18.0930, 34.7173, 8.2301



27.1581, 13.8112, 37.7927

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.



62.4409, 34.7173, 52.8433



18.0930, 34.7173, 8.2301



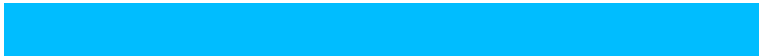
41.2817, 34.7173, 146.8277

Square

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



18.0930, 34.7173, 8.2301



19.6023, 34.7173, 116.1495



54.4260, 34.7173, 103.3739



51.4215, 34.7173, 6.1598

Rectangle

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



18.0930, 34.7173, 8.2301



14.5563, 34.7173, 49.1608



54.4260, 34.7173, 103.3739



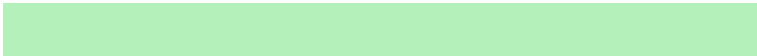
62.7255, 34.7173, 28.3420

Sweetspot

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



18.0938, 34.7187, 8.2309



58.7375, 75.3782, 58.0794



33.5852, 42.7353, 7.5772



12.0990, 15.9784, 11.6387



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.



18.0938, 34.7187, 8.2309



31.2597, 62.2188, 11.3467



21.1083, 35.9245, 24.1049



8.9291, 10.0756, 9.7840



11.9139, 23.6665, 4.4687



0.4332, 0.8396, 0.2270

Inverse Universe

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



27.1581, 13.8112, 37.7927



47.9163, 23.3060, 65.3047



22.0458, 11.7663, 10.8718



9.3376, 9.1454, 11.1253



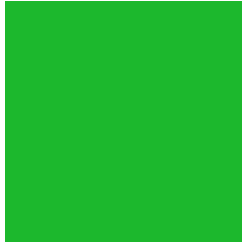
18.2540, 8.8753, 25.0219



0.6556, 0.3177, 0.9460

Previews

White Background



This preview shows how the XYZ color 18.0930, 34.7173, 8.2301 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 18.0930, 34.7173, 8.2301 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 18.0930, 34.7173, 8.2301

Background



This preview shows how black text looks on a background with the XYZ color 18.0930, 34.7173, 8.2301.



This preview shows how white text looks on a background with the XYZ color 18.0930, 34.7173,

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

18.0930, 34.7173, 8.2301

Protanopia

30.7082, 33.9408, 6.7665

Deuteranopia

34.7217, 33.9988, 8.8701



Tritanopia

26.8177, 34.7133, 51.1858

Trichromacy



Original Color

18.0930, 34.7173, 8.2301



Protanomaly

22.3873, 32.0085, 7.0961



Deuteranomaly

23.7395, 31.3412, 8.2883



Tritanomaly

21.7529, 33.7640, 27.9249

Monochromacy



Original Color

18.0930, 34.7173, 8.2301



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.1703, 23.1337, 14.2027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0930, 34.7173, 8.2301 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(28, 184, 45)` looks like.

```
.text, #text, p{  
    color:rgb(28, 184, 45)  
}
```

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(28, 184, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 184, 45) }
```

Border

The CSS property to change the border of an element to XYZ 18.0930, 34.7173, 8.2301 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(28, 184, 45) }
```


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

```
.border{ border-color:rgb(28, 184, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 184, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 184, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 184, 45);  
box-shadow:4px 4px 4px 4px rgb(28, 184,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0930, 34.7173, 8.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 184, 45) }
```

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

```
.background{ background-color: rgb(28, 184,  
45) }
```

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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