

Converting Colors

XYZ(17.9123, 35.0180, 7.1695)

Have a look what the booklet for
XYZ(17.9123, 35.0180, 7.1695)
contains.

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Color

**XYZ(17.8782, 34.9407,
7.1684)**

Conversions

Conversions Part 1

Format	Color
Hex	13B920
RGB	19, 185, 32
RGB Percent	7%, 73%, 13%
CMY	0.9255, 0.2745, 0.8745
CMYK	0.90, 0.00, 0.83, 0.27
HSL	125°, 81%, 40%
HSV	125°, 90%, 73%
XYZ	17.8782, 34.9407, 7.1684
YIQ	117.9240, -49.8230, -82.7750

Conversions

Conversions Part 2

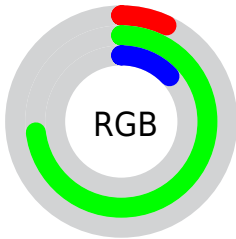
Format	Color
RYB	19, 173, 185
Decimal	1292576
CIELab	65.70, -65.68, 60.11
CIELCh	66, 89.035, 137.537
Yxy	34.9407, 0.2980, 0.5825
Android (android.graphics.Color)	4279482656 (0xFF13B920)
YUV	117.9240, -42.3605, -86.7563
Hunter-Lab	59.1107, -49.4558, 34.1873

Details

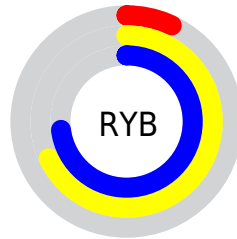
The XYZ color **17.8782, 34.9407, 7.1684** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **27.6871, 13.7587, 40.2231**, and the grayscale version is **17.3364, 18.2392, 19.8625**.

A 20% lighter version of the original color is **39.2340, 67.1432, 20.7896**, and **7.9826, 15.9653, 2.6609** is the 20% darker color. If you saturate the color by 10%, you get **17.4418, 34.7370, 6.2359**, and if you desaturate by 10%, it is **18.6862, 35.3242, 8.7455**.

Distribution



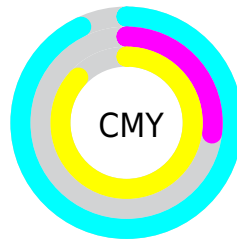
- Red (7%)
- Green (73%)
- Blue (13%)



- Red (7%)
- Yellow (68%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (83%)
- Black (27%)





- Cyan (93%)
- Magenta (27%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8782, 34.9407, 7.1684 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 17.8782, 34.9407, 7.1684 by changing the saturation by 10% instead.


 17.8782, 34.9407,
7.1684


 17.8782, 34.9407,
7.1684


233.2425,
324.3065, 178.7394


 10.9617, 23.6172,
3.4876


 39.3614, 67.3939,
20.8298


 6.1082, 15.0499,
1.3487


 54.6588, 89.2924,
31.6475


 2.9523, 8.8544,
0.1012


 73.4806, 115.4846,
45.6812

 1.1286, 4.6463,
0.0000

 96.1921, 146.3551,
63.3495

 0.0488, 2.0413,
0.0000

 123.1587,
182.2881, 85.0710

 0.0000, 0.6313,
0.0000

 154.7457,

 0.0000, 0.0000,

223.6681, 111.2641

0.0000

191.3186,
270.8794, 142.3474

■ 17.8782, 34.9407,
7.1684

■ 17.8782, 34.9407,
7.1684

■ 17.4418, 34.7370,
6.2359

■ 18.6862, 35.3242,
8.7455

■ 17.4324, 34.7325,
6.2187

■ 19.9670, 35.9347,
11.0547

■ 21.7797, 36.8021,
14.1714

■ 24.1742, 37.9507,
18.1608

■ 27.1944, 39.4019,
23.0818

■ 30.8803, 41.1751,
28.9878

■ 35.2683, 43.2881,
35.9285

■ 40.3924, 45.7574,
43.9501

■ 46.2841, 48.5984,
53.0959

Harmonies

Analogous

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



26.1835, 34.9407, 2.3863



17.8782, 34.9407, 7.1684



14.1869, 34.9407, 24.5037

Triad

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



17.8782, 34.9407, 7.1684



28.0655, 34.9407, 160.8990



63.4834, 34.9407, 20.1842

Complementary

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



17.8782, 34.9407, 7.1684



27.6871, 13.7587, 40.2231

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.



64.3767, 34.9407, 55.8321



17.8782, 34.9407, 7.1684



41.3931, 34.9407, 156.6142

Square

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



17.8782, 34.9407, 7.1684



18.9423, 34.9407, 119.9339



55.4736, 34.9407, 110.4831



53.2829, 34.9407, 5.7841

Rectangle

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



17.8782, 34.9407, 7.1684



13.9748, 34.9407, 48.3134



55.4736, 34.9407, 110.4831



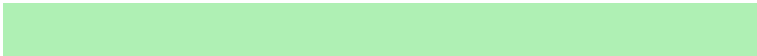
64.9628, 34.9407, 29.3447

Sweetspot

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



17.8790, 34.9421, 7.1692



56.9904, 74.5529, 54.5947



34.9086, 43.7378, 7.2183



11.7547, 15.8163, 10.9246



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.



17.8790, 34.9421, 7.1692



31.1876, 62.1900, 10.9666



20.6027, 36.0316, 21.5117



8.9182, 10.0712, 9.7264



11.8806, 23.6532, 4.2933



0.4285, 0.8377, 0.2022

Inverse Universe

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



27.6871, 13.7587, 40.2231



48.8733, 23.6887, 70.3438



22.1267, 11.5346, 10.9427



9.3497, 9.1503, 11.1892



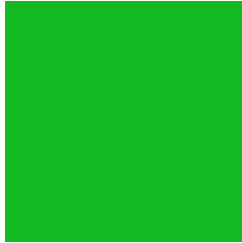
18.6086, 9.0172, 26.8895



0.6651, 0.3215, 0.9956

Previews

White Background



This preview shows how the XYZ color 17.8782, 34.9407, 7.1684 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 17.8782, 34.9407, 7.1684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

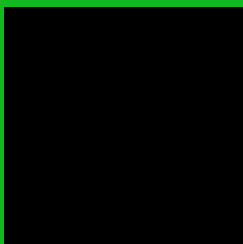
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 17.8782, 34.9407, 7.1684

Background



This preview shows how black text looks on a background with the XYZ color 17.8782, 34.9407, 7.1684.



This preview shows how white text looks on a background with the XYZ color 17.8782, 34.9407,

7.1684.

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

17.8782, 34.9407, 7.1684

Protanopia

30.9337, 34.3314, 5.9160

Deuteranopia

34.7708, 34.0487, 7.7571



Tritanopia

26.8399, 34.7125, 51.7399

Trichromacy



Original Color

17.8782, 34.9407, 7.1684



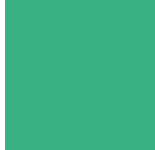
Protanomaly

21.9580, 32.0822, 6.1338



Deuteranomaly

23.2061, 31.3553, 7.1146



Tritanomaly

21.4387, 33.9258, 26.5375

Monochromacy



Original Color

17.8782, 34.9407, 7.1684



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

14.8730, 21.8280, 12.4462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8782, 34.9407, 7.1684 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(19, 185, 32)` looks like.

```
.text, #text, p{  
    color:rgb(19, 185, 32)  
}
```

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(19, 185, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 185, 32) }
```

Border

The CSS property to change the border of an element to XYZ 17.8782, 34.9407, 7.1684 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(19, 185, 32) }
```


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

```
.border{ border-color:rgb(19, 185, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 185, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 185, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 185, 32);  
box-shadow:4px 4px 4px 4px rgb(19, 185,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8782, 34.9407, 7.1684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 185, 32) }
```

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

```
.background{ background-color: rgb(19, 185,  
32) }
```

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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