

Converting Colors

XYZ(17.8951, 35.0551, 6.9696)

Have a look what the booklet for
XYZ(17.8951, 35.0551, 6.9696)
contains.

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Color

**XYZ(17.8393, 34.9251,
6.9634)**

Conversions

Conversions Part 1

Format	Color
Hex	13B91D
RGB	19, 185, 29
RGB Percent	7%, 73%, 11%
CMY	0.9255, 0.2745, 0.8862
CMYK	0.90, 0.00, 0.84, 0.27
HSL	124°, 81%, 40%
HSV	124°, 90%, 73%
XYZ	17.8393, 34.9251, 6.9634
YIQ	117.5820, -48.8600, -83.7080

Conversions

Conversions Part 2

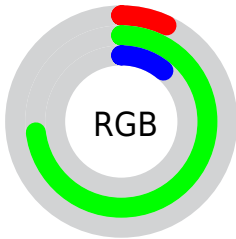
Format	Color
RYB	19, 176, 185
Decimal	1292573
CIELab	65.69, -65.84, 60.86
CIELCh	66, 89.662, 137.248
Yxy	34.9251, 0.2987, 0.5847
Android (android.graphics.Color)	4279482653 (0xFF13B91D)
YUV	117.5820, -43.6709, -86.4564
Hunter-Lab	59.0975, -49.5381, 34.3821

Details

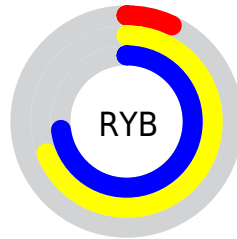
The XYZ color **17.8393, 34.9251, 6.9634** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **27.9787, 13.8754, 41.7584**, and the grayscale version is **17.2331, 18.1306, 19.7442**.

A 20% lighter version of the original color is **39.1488, 67.1091, 20.3412**, and **7.9826, 15.9653, 2.6609** is the 20% darker color. If you saturate the color by 10%, you get **17.4200, 34.7282, 6.1210**, and if you desaturate by 10%, it is **18.6316, 35.3024, 8.4577**.

Distribution



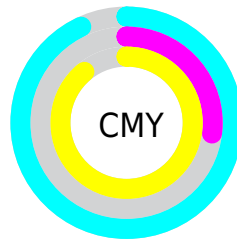
- Red (7%)
- Green (73%)
- Blue (11%)



- Red (7%)
- Yellow (69%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (84%)
- Black (27%)





- Cyan (93%)
- Magenta (27%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8393, 34.9251, 6.9634 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 17.8393, 34.9251, 6.9634 by changing the saturation by 10% instead.


 17.8393, 34.9251,
6.9634


 17.8393, 34.9251,
6.9634


233.0268,
324.2376, 176.9786


 10.9337, 23.6052,
3.3611


 39.2955, 67.3697,
20.4112


 6.0892, 15.0410,
1.2819


 54.5769, 89.2632,
31.0937


 2.9406, 8.8482,
0.0468


 73.3808, 115.4500,
44.9734

 1.1224, 4.6423,
0.0000

 96.0726, 146.3145,
62.4689

 0.0437, 2.0389,
0.0000

 123.0178,
182.2412, 83.9986

 0.0000, 0.6300,
0.0000

 154.5817,

 0.0000, 0.0000,

223.6143, 109.9811

0.0000

191.1296,
270.8183, 140.8349

■ 17.8393, 34.9251,
6.9634

■ 17.8393, 34.9251,
6.9634

■ 17.4200, 34.7282,
6.1210

■ 18.6316, 35.3024,
8.4577

■ 17.4110, 34.7239,
6.1060

■ 19.8997, 35.9078,
10.6996

■ 21.7038, 36.7717,
13.7705

■ 24.0946, 37.9188,
17.7407

■ 27.1171, 39.3709,
22.6728

■ 30.8116, 41.1476,
28.6241

■ 35.2154, 43.2670,
35.6473

■ 40.3628, 45.7456,
43.7913

■ 46.2859, 48.5991,
53.1023

Harmonies

Analogous

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



26.2297, 34.9251, 2.2911



17.8393, 34.9251, 6.9634



14.0964, 34.9251, 24.1440

Triad

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



17.8393, 34.9251, 6.9634



27.9066, 34.9251, 161.9435



63.7803, 34.9251, 20.3026

Complementary

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



17.8393, 34.9251, 6.9634



27.9787, 13.8754, 41.7584

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.



64.5794, 34.9251, 56.4162



17.8393, 34.9251, 6.9634



41.2962, 34.9251, 158.1001

Square

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



17.8393, 34.9251, 6.9634



18.7854, 34.9251, 120.1684



55.5147, 34.9251, 111.7003



53.5563, 34.9251, 5.7434

Rectangle

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



17.8393, 34.9251, 6.9634



13.8589, 34.9251, 47.9457



55.5147, 34.9251, 111.7003



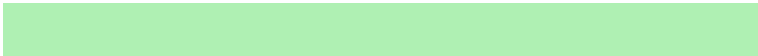
65.2406, 34.9251, 29.5811

Sweetspot

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



17.8401, 34.9265, 6.9642



56.8716, 74.5054, 53.9693



35.5312, 44.0587, 7.2476



11.7274, 15.8054, 10.7812



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.



17.8401, 34.9265, 6.9642



31.1542, 62.1766, 10.7910



20.4492, 35.9702, 20.7034



8.9117, 10.0687, 9.6925



11.8645, 23.6467, 4.2083



0.4257, 0.8366, 0.1876

Inverse Universe

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



27.9787, 13.8754, 41.7584



49.4579, 23.9226, 73.4227



22.2483, 11.5833, 11.5828



9.3569, 9.1531, 11.2270



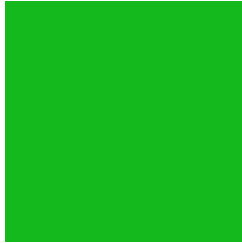
18.8251, 9.1038, 28.0293



0.6707, 0.3238, 1.0256

Previews

White Background



This preview shows how the XYZ color 17.8393, 34.9251, 6.9634 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 17.8393, 34.9251, 6.9634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

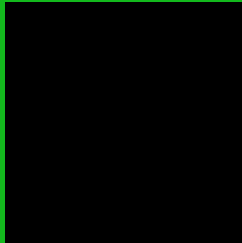
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 17.8393, 34.9251, 6.9634

Background



This preview shows how black text looks on a background with the XYZ color 17.8393, 34.9251, 6.9634.



This preview shows how white text looks on a background with the XYZ color 17.8393, 34.9251,

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

17.8393, 34.9251, 6.9634

Protanopia

30.8936, 34.3154, 5.7047

Deuteranopia

34.7285, 34.0319, 7.5347



Tritanopia

26.8399, 34.7125, 51.7399

Trichromacy



Original Color

17.8393, 34.9251, 6.9634



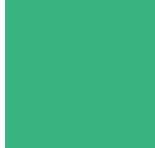
Protanomaly

21.9132, 32.0643, 5.8982



Deuteranomaly

23.1703, 31.3410, 6.9260



Tritanomaly

21.3719, 33.8991, 26.1856

Monochromacy



Original Color

17.8393, 34.9251, 6.9634



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

14.8324, 21.8117, 12.2324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8393, 34.9251, 6.9634 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(19, 185, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 185, 29) }
```

Border

The CSS property to change the border of an element to XYZ 17.8393, 34.9251, 6.9634 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, 29) }
```


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

```
.border{ border-color:rgb(19, 185, 29) }
```

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, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 185, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 185, 29);  
box-shadow:4px 4px 4px 4px rgb(19, 185,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8393, 34.9251, 6.9634 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, 29) }
```

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

```
.background{ background-color: rgb(19, 185,  
29) }
```

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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