

Converting Colors

XYZ(17.8493, 35.0063, 6.8000)

Have a look what the booklet for
XYZ(17.8493, 35.0063, 6.8000)
contains.

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Color

**XYZ(17.8040, 34.9110,
6.7774)**

Conversions

Conversions Part 1

Format	Color
Hex	13B91A
RGB	19, 185, 26
RGB Percent	7%, 73%, 10%
CMY	0.9255, 0.2745, 0.8980
CMYK	0.90, 0.00, 0.86, 0.27
HSL	123°, 81%, 40%
HSV	123°, 90%, 73%
XYZ	17.8040, 34.9110, 6.7774
YIQ	117.2400, -47.8970, -84.6410

Conversions

Conversions Part 2

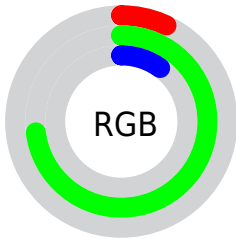
Format	Color
RYB	19, 178, 185
Decimal	1292570
CIELab	65.68, -65.98, 61.56
CIELCh	66, 90.242, 136.983
Yxy	34.9110, 0.2993, 0.5868
Android (android.graphics.Color)	4279482650 (0xFF13B91A)
YUV	117.2400, -44.9813, -86.1565
Hunter-Lab	59.0855, -49.6130, 34.5590

Details

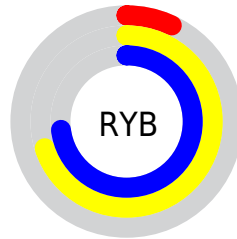
The XYZ color **17.8040, 34.9110, 6.7774** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **28.2767, 13.9946, 43.3277**, and the grayscale version is **17.1300, 18.0221, 19.6261**.

A 20% lighter version of the original color is **39.0659, 67.0759, 19.9048**, and **7.9826, 15.9653, 2.6609** is the 20% darker color. If you saturate the color by 10%, you get **17.4014, 34.7208, 6.0227**, and if you desaturate by 10%, it is **18.5803, 35.2818, 8.1870**.

Distribution



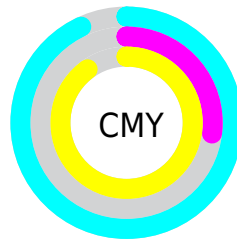
- Red (7%)
- Green (73%)
- Blue (10%)



- Red (7%)
- Yellow (70%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (86%)
- Black (27%)





- Cyan (93%)
- Magenta (27%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8040, 34.9110, 6.7774 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 17.8040, 34.9110, 6.7774 by changing the saturation by 10% instead.


 17.8040, 34.9110,
6.7774


 17.8040, 34.9110,
6.7774


232.8310,
324.1753, 175.3612


 10.9082, 23.5943,
3.2470


 39.2358, 67.3479,
20.0292


 6.0720, 15.0330,
1.2221


 54.5024, 89.2369,
30.5876

 2.9300, 8.8425,
0.0000


 73.2901, 115.4187,
44.3257

 1.1168, 4.6386,
0.0000

 95.9642, 146.2779,
61.6621

 0.0391, 2.0368,
0.0000

 122.8899,
182.1987, 83.0153

 0.0000, 0.6287,
0.0000

 154.4327,

 0.0000, 0.0000,

223.5657, 108.8039

0.0000

190.9580,
270.7631, 139.4463

■ 17.8040, 34.9110,
6.7774

■ 17.8040, 34.9110,
6.7774

■ 17.4014, 34.7208,
6.0227

■ 18.5803, 35.2818,
8.1870

■ 17.3925, 34.7165,
6.0086

■ 19.8351, 35.8819,
10.3589

■ 21.6299, 36.7422,
13.3810

■ 24.0165, 37.8876,
17.3287

■ 27.0405, 39.3403,
22.2692

■ 30.7432, 41.1203,
28.2632

■ 35.1622, 43.2457,
35.3668

■ 40.3326, 45.7336,
43.6320

■ 46.2870, 48.5996,
53.1076

Harmonies

Analogous

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



26.2732, 34.9110, 2.2056



17.8040, 34.9110, 6.7774



14.0135, 34.9110, 23.8140

Triad

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



17.8040, 34.9110, 6.7774



27.7601, 34.9110, 162.9103



64.0558, 34.9110, 20.4138

Complementary

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



17.8040, 34.9110, 6.7774



28.2767, 13.9946, 43.3277

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.



64.7669, 34.9110, 56.9618



17.8040, 34.9110, 6.7774



41.2065, 34.9110, 159.4815

Square

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



17.8040, 34.9110, 6.7774



18.6412, 34.9110, 120.3824



55.5522, 34.9110, 112.8349



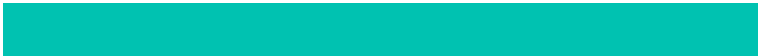
53.8104, 34.9110, 5.7066

Rectangle

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



17.8040, 34.9110, 6.7774



13.7526, 34.9110, 47.6060



55.5522, 34.9110, 112.8349



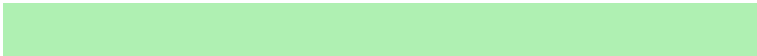
65.4981, 34.9110, 29.8025

Sweetspot

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



17.8048, 34.9124, 6.7782



56.7539, 74.4583, 53.3494



36.1665, 44.3862, 7.2773



11.7005, 15.7946, 10.6393



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.



17.8048, 34.9124, 6.7782



31.1273, 62.1659, 10.6492



20.3004, 35.9107, 19.9196



8.9053, 10.0661, 9.6587



11.8491, 23.6406, 4.1272



0.4229, 0.8355, 0.1730

Inverse Universe

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



28.2767, 13.9946, 43.3277



50.0574, 24.1624, 76.5796



22.3743, 11.6337, 12.2461



9.3641, 9.1560, 11.2648



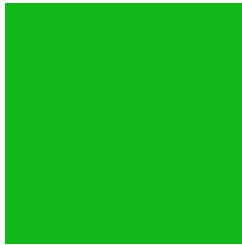
19.0468, 9.1925, 29.1970



0.6765, 0.3261, 1.0561

Previews

White Background



This preview shows how the XYZ color 17.8040, 34.9110, 6.7774 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 17.8040, 34.9110, 6.7774 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 17.8040, 34.9110, 6.7774

Background



This preview shows how black text looks on a background with the XYZ color 17.8040, 34.9110, 6.7774.



This preview shows how white text looks on a background with the XYZ color 17.8040, 34.9110,

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

17.8040, 34.9110, 6.7774

Protanopia

30.8674, 34.3049, 5.5669

Deuteranopia

34.7081, 34.0237, 7.4272



Tritanopia

26.8399, 34.7125, 51.7399

Trichromacy



Original Color

17.8040, 34.9110, 6.7774



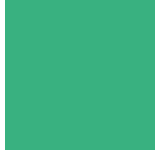
Protanomaly

21.8837, 32.0525, 5.7428



Deuteranomaly

23.1363, 31.3274, 6.7468



Tritanomaly

21.3058, 33.8727, 25.8372

Monochromacy



Original Color

17.8040, 34.9110, 6.7774



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

14.6666, 21.7354, 11.8099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8040, 34.9110, 6.7774 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(19, 185, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 185, 26) }
```

Border

The CSS property to change the border of an element to XYZ 17.8040, 34.9110, 6.7774 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, 26) }
```


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

```
.border{ border-color:rgb(19, 185, 26) }
```

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, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 185, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 185, 26);  
box-shadow:4px 4px 4px 4px rgb(19, 185,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8040, 34.9110, 6.7774 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, 26) }
```

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

```
.background{ background-color: rgb(19, 185,  
26) }
```

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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