

Converting Colors

XYZ(17.2359, 33.4811, 7.1184)

Have a look what the booklet for
XYZ(17.2359, 33.4811, 7.1184)
contains.

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Color

**XYZ(17.1806, 33.3513,
7.1220)**

Conversions

Conversions Part 1

Format	Color
Hex	17B523
RGB	23, 181, 35
RGB Percent	9%, 71%, 14%
CMY	0.9098, 0.2902, 0.8627
CMYK	0.87, 0.00, 0.81, 0.29
HSL	125°, 77%, 40%
HSV	125°, 87%, 71%
XYZ	17.1806, 33.3513, 7.1220
YIQ	117.1140, -47.3020, -78.9020

Conversions

Conversions Part 2

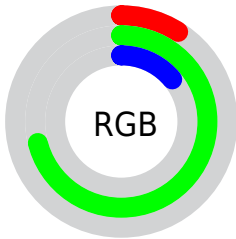
Format	Color
RYB	23, 170, 181
Decimal	1553699
CIELab	64.44, -64.04, 58.11
CIELCh	64, 86.474, 137.776
Yxy	33.3513, 0.2980, 0.5785
Android (android.graphics.Color)	4279743779 (0xFF17B523)
YUV	117.1140, -40.4822, -82.5380
Hunter-Lab	57.7506, -47.9604, 33.1136

Details

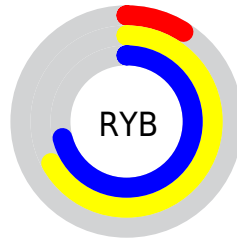
The XYZ color **17.1806, 33.3513, 7.1220** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **26.5244, 13.3014, 38.7041**, and the grayscale version is **17.0768, 17.9662, 19.5652**.

A 20% lighter version of the original color is **38.0998, 64.8053, 20.6258**, and **7.4609, 14.9217, 2.4870** is the 20% darker color. If you saturate the color by 10%, you get **16.6974, 33.1254, 6.0982**, and if you desaturate by 10%, it is **18.0568, 33.7681, 8.7834**.

Distribution



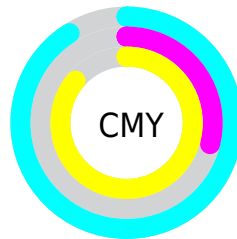
- Red (9%)
- Green (71%)
- Blue (14%)



- Red (9%)
- Yellow (67%)
- Blue (71%)



- Cyan (87%)
- Magenta (0%)
- Yellow (81%)
- Black (29%)





- Cyan (91%)
- Magenta (29%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.1806, 33.3513, 7.1220 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 17.1806, 33.3513, 7.1220 by changing the saturation by 10% instead.


 17.1806, 33.3513,
7.1220


 17.1806, 33.3513,
7.1220


229.3470,
317.2297, 178.3428


 10.4594, 22.3957,
3.4589


 38.1772, 64.9236,
20.7353


 5.7692, 14.1479,
1.3335


 53.1833, 86.3091,
31.5225


 2.7446, 8.2236,
0.0890


 71.6817, 111.9400,
45.5216

 1.0202, 4.2384,
0.0000

 94.0379, 142.2008,
63.1510

 0.0000, 1.8078,
0.0000

 120.6172,
177.4757, 84.8293

 0.0000, 0.4920,
0.0000

 151.7849,

 0.0000, 0.0000,

218.1493, 110.9750

0.0000

187.9064,
264.6058, 142.0066

■ 17.1806, 33.3513,
7.1220

■ 17.1806, 33.3513,
7.1220

■ 16.6974, 33.1254,
6.0982

■ 18.0568, 33.7681,
8.7834

■ 16.6022, 33.0802,
5.9169

■ 19.3975, 34.4080,
11.1612

■ 21.2564, 35.2982,
14.3250

■ 23.6793, 36.4610,
18.3356

■ 26.7070, 37.9163,
23.2477

■ 30.3764, 39.6820,
29.1116

■ 34.7216, 41.7746,
35.9737

■ 39.7742, 44.2096,
43.8775

■ 45.5638, 47.0013,
52.8639

Harmonies

Analogous

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



24.9963, 33.3513, 2.4354



17.1806, 33.3513, 7.1220



13.7111, 33.3513, 23.7469

Triad

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



17.1806, 33.3513, 7.1220



26.9381, 33.3513, 151.3618



60.0718, 33.3513, 19.2744

Complementary

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



17.1806, 33.3513, 7.1220



26.5244, 13.3014, 38.7041

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.



60.9868, 33.3513, 52.6782



17.1806, 33.3513, 7.1220



39.5051, 33.3513, 146.9950

Square

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



17.1806, 33.3513, 7.1220



18.2830, 33.3513, 113.4080



52.7051, 33.3513, 103.7576



50.4584, 33.3513, 5.6644

Rectangle

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



17.1806, 33.3513, 7.1220



13.5290, 33.3513, 46.3002



52.7051, 33.3513, 103.7576



61.4827, 33.3513, 27.8778

Sweetspot

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



17.1814, 33.3527, 7.1228



55.0213, 71.3651, 53.1203



33.3586, 41.7095, 7.1032



11.3728, 15.1746, 10.6556



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



17.1814, 33.3527, 7.1228



29.7017, 59.2310, 10.4321



19.8324, 34.4131, 21.0831



8.4143, 9.5002, 9.1755



11.4553, 22.8081, 4.1346



0.3690, 0.7211, 0.1754

Inverse Universe

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



26.5244, 13.3014, 38.7041



46.6239, 22.5921, 67.3945



21.2718, 11.2004, 11.0445



8.8216, 8.6354, 10.5590



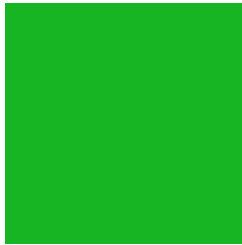
17.9725, 8.7065, 26.0787



0.5737, 0.2772, 0.8637

Previews

White Background



This preview shows how the XYZ color 17.1806, 33.3513, 7.1220 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 17.1806, 33.3513, 7.1220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

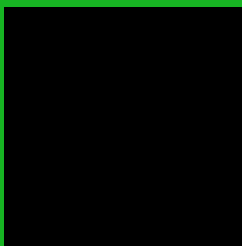
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

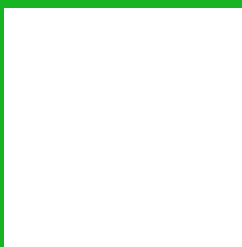
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.1806, 33.3513, 7.1220

Background



This preview shows how black text looks on a background with the XYZ color 17.1806, 33.3513, 7.1220.



This preview shows how white text looks on a background with the XYZ color 17.1806, 33.3513,

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

17.1806, 33.3513, 7.1220

Protanopia

29.3865, 32.5252, 5.8278

Deuteranopia

33.2794, 32.5758, 7.6657



Tritanopia

25.7733, 33.3730, 49.3392

Trichromacy



Original Color

17.1806, 33.3513, 7.1220



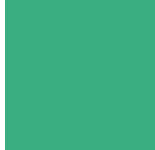
Protanomaly

21.1305, 30.5718, 6.0836



Deuteranomaly

22.3875, 29.8913, 7.0723



Tritanomaly

20.6509, 32.3717, 25.9288

Monochromacy



Original Color

17.1806, 33.3513, 7.1220



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

14.6657, 21.2833, 12.3519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1806, 33.3513, 7.1220 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(23, 181, 35)` looks like.

```
.text, #text, p{  
    color:rgb(23, 181, 35)  
}
```

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(23, 181, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 181, 35) }
```

Border

The CSS property to change the border of an element to XYZ 17.1806, 33.3513, 7.1220 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(23, 181, 35) }
```


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

```
.border{ border-color:rgb(23, 181, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 181, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 181, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 181, 35);  
box-shadow:4px 4px 4px 4px rgb(23, 181,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1806, 33.3513, 7.1220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 181, 35) }
```

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

```
.background{ background-color: rgb(23, 181,  
35) }
```

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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