

Converting Colors

XYZ(17.3897, 34.2505, 7.4245)

Have a look what the booklet for
XYZ(17.3897, 34.2505, 7.4245)
contains.

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Color

**XYZ(17.4744, 34.4146,
7.4719)**

Conversions

Conversions Part 1

Format	Color
Hex	00B825
RGB	0, 184, 37
RGB Percent	0%, 72%, 15%
CMY	1.0000, 0.2784, 0.8549
CMYK	1.00, 0.00, 0.80, 0.28
HSL	132°, 100%, 36%
HSV	132°, 100%, 72%
XYZ	17.4744, 34.4146, 7.4719
YIQ	112.2260, -62.4770, -84.7250

Conversions

Conversions Part 2

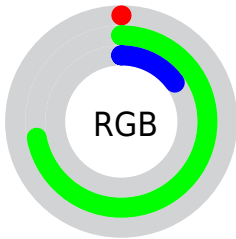
Format	Color
RYB	0, 153, 184
Decimal	47141
CIELab	65.29, -66.08, 58.27
CIELCh	65, 88.105, 138.592
Yxy	34.4146, 0.2944, 0.5798
Android (android.graphics.Color)	4278237221 (0xFF00B825)
YUV	112.2260, -37.0864, -98.4222
Hunter-Lab	58.6640, -49.4916, 33.5131

Details

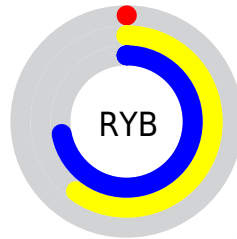
The XYZ color **17.4744, 34.4146, 7.4719** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **25.0343, 12.2973, 28.6569**, and the grayscale version is **15.5871, 16.3989, 17.8584**.

A 20% lighter version of the original color is **38.5127, 66.3154, 21.3600**, and **7.8503, 15.7005, 2.6168** is the 20% darker color. If you saturate the color by 10%, you get **17.4752, 34.4160, 7.4727**, and if you desaturate by 10%, it is **18.0114, 34.6602, 8.9550**.

Distribution



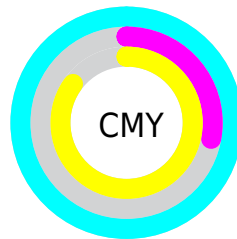
- Red (0%)
- Green (72%)
- Blue (15%)



- Red (0%)
- Yellow (60%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.4744, 34.4146, 7.4719 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 17.4744, 34.4146, 7.4719 by changing the saturation by 10% instead.


 17.4744, 34.4146,
7.4719


 17.4744, 34.4146,
7.4719


230.9949,
321.9768, 181.3062


 10.6707, 23.2123,
3.6760


 38.6768, 66.5779,
21.4453


 5.9115, 14.7503,
1.4494


 53.8062, 88.3077,
32.4599


 2.8315, 8.6444,
0.1798


 72.4415, 114.3154,
46.7178

 1.0653, 4.5099,
0.0000

 94.9482, 144.9854,
64.6376

 0.0000, 1.9627,
0.0000

 121.6915,
180.7022, 86.6378

 0.0000, 0.5857,
0.0000

 153.0368,

 0.0000, 0.0000,

221.8501, 113.1369

0.0000

189.3495,
268.8135, 144.5536

■ 17.4744, 34.4146,
7.4719

■ 17.4744, 34.4146,
7.4719

■ 17.4752, 34.4160,
7.4727

■ 18.0114, 34.6602,
8.9550

■ 18.8924, 35.0702,
10.9907

■ 20.2170, 35.6960,
13.6298

■ 22.0370, 36.5634,
16.9153

■ 24.3971, 37.6946,
20.8863

■ 27.3365, 39.1092,
25.5786

■ 30.8911, 40.8247,
31.0258

■ 35.0934, 42.8575,
37.2590

■ 39.9740, 45.2226,
44.3078

Harmonies

Analogous

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



25.4570, 34.4146, 2.4743



17.4744, 34.4146, 7.4719



13.9948, 34.4146, 25.1600

Triad

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



17.4744, 34.4146, 7.4719



28.0682, 34.4146, 158.1932



62.1134, 34.4146, 19.1554

Complementary

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



17.4744, 34.4146, 7.4719



25.0343, 12.2973, 28.6569

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.



63.3486, 34.4146, 53.2592



17.4744, 34.4146, 7.4719



41.2244, 34.4146, 152.2823

Square

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



17.4744, 34.4146, 7.4719



18.9536, 34.4146, 119.3882



54.9259, 34.4146, 106.3385



51.8950, 34.4146, 5.5322

Rectangle

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



17.4744, 34.4146, 7.4719



13.8755, 34.4146, 49.0513



54.9259, 34.4146, 106.3385



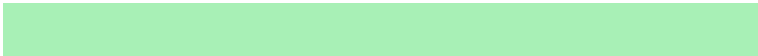
63.6763, 34.4146, 27.8749

Sweetspot

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



17.4752, 34.4160, 7.4727



55.6452, 73.8333, 55.7112



29.2102, 40.5042, 6.2786



11.3901, 15.6243, 11.0895



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.



17.4752, 34.4160, 7.4727



31.6096, 62.3588, 13.1893



21.0905, 35.8622, 26.5106



8.9622, 10.0889, 9.9586



12.0642, 23.7266, 5.2599



0.4473, 0.8452, 0.3016

Inverse Universe

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



25.0343, 12.2973, 28.6569



45.2917, 22.2561, 51.4836



20.4624, 10.4685, 4.5819



9.3014, 9.1309, 10.9348



17.2783, 8.4851, 19.8844



0.6291, 0.3071, 0.8060

Previews

White Background



This preview shows how the XYZ color 17.4744, 34.4146, 7.4719 looks on a white background.

Color Contrast Check

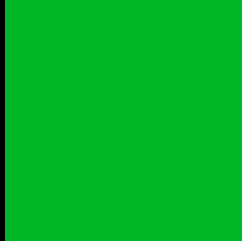
Large Text (above 18pt) WCAG AA × Fail

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 17.4744, 34.4146, 7.4719 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 17.4744, 34.4146, 7.4719

Background



This preview shows how black text looks on a background with the XYZ color 17.4744, 34.4146, 7.4719.



This preview shows how white text looks on a background with the XYZ color 17.4744, 34.4146,

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

17.4744, 34.4146, 7.4719

Protanopia

30.5927, 33.8946, 6.1582

Deuteranopia

34.4160, 33.6223, 8.0440



Tritanopia

26.3004, 34.1651, 51.1073

Trichromacy



Original Color

17.4744, 34.4146, 7.4719



Protanomaly

20.9033, 31.2579, 6.3705



Deuteranomaly

21.8909, 30.4059, 7.4045



Tritanomaly

20.8410, 33.3177, 26.8053

Monochromacy



Original Color

17.4744, 34.4146, 7.4719



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.3267, 20.1724, 11.7856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4744, 34.4146, 7.4719 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(0, 184, 37)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 37)  
}
```

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(0, 184, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 37) }
```

Border

The CSS property to change the border of an element to XYZ 17.4744, 34.4146, 7.4719 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(0, 184, 37) }
```


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

```
.border{ border-color:rgb(0, 184, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 37);  
box-shadow:4px 4px 4px 4px rgb(0, 184, 37)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.4744, 34.4146, 7.4719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 37) }
```

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

```
.background{ background-color: rgb(0, 184,  
37) }
```

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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