

Converting Colors

XYZ(18.4516, 35.2337, 10.0095)

Have a look what the booklet for
XYZ(18.4516, 35.2337, 10.0095)
contains.

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Color

**XYZ(18.4069, 35.1521,
9.9526)**

Conversions

Conversions Part 1

Format	Color
Hex	13B93B
RGB	19, 185, 59
RGB Percent	7%, 73%, 23%
CMY	0.9255, 0.2745, 0.7686
CMYK	0.90, 0.00, 0.68, 0.27
HSL	134°, 81%, 40%
HSV	134°, 90%, 73%
XYZ	18.4069, 35.1521, 9.9526
YIQ	121.0020, -58.4900, -74.3780

Conversions

Conversions Part 2

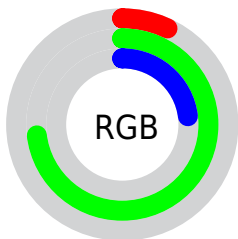
Format	Color
RYB	19, 153, 185
Decimal	1292603
CIELab	65.87, -63.60, 51.06
CIELCh	66, 81.555, 141.241
Yxy	35.1521, 0.2898, 0.5535
Android (android.graphics.Color)	4279482683 (0xFF13B93B)
YUV	121.0020, -30.5670, -89.4558
Hunter-Lab	59.2892, -48.3391, 31.5497

Details

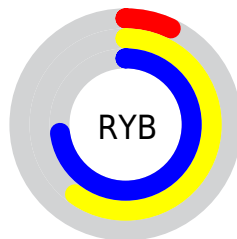
The XYZ color **18.4069, 35.1521, 9.9526** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **25.3520, 12.8248, 27.9270**, and the grayscale version is **18.2846, 19.2368, 20.9488**.

A 20% lighter version of the original color is **40.1563, 67.4989, 26.2414**, and **7.9826, 15.9653, 2.6609** is the 20% darker color. If you saturate the color by 10%, you get **17.8288, 34.8917, 8.2739**, and if you desaturate by 10%, it is **19.3348, 35.5836, 12.1607**.

Distribution



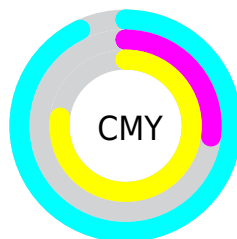
- Red (7%)
- Green (73%)
- Blue (23%)



- Red (7%)
- Yellow (60%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (68%)
- Black (27%)





- Cyan (93%)
- Magenta (27%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4069, 35.1521, 9.9526 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 18.4069, 35.1521, 9.9526 by changing the saturation by 10% instead.


 18.4069, 35.1521,
9.9526


 18.4069, 35.1521,
9.9526


236.1561,
325.2392, 200.8059


 11.3440, 23.7801,
5.2623


 40.2541, 67.7213,
26.3127


 6.3677, 15.1706,
2.3406


 55.7691, 89.6873,
38.8197

 3.1127, 8.9392,
0.7538


 74.8322, 115.9534,
54.7693

 1.2136, 4.7015,
0.0000

 97.8087, 146.9040,
74.5801

 0.1171, 2.0732,
0.0000

 125.0640,
182.9235, 98.6706

 0.0000, 0.6495,
0.0000

156.9634,

 0.0000, 0.0000,

224.3962, 127.4594

0.0000

193.8724,
271.7067, 161.3650

■ 18.4069, 35.1521,
9.9526

■ 18.4069, 35.1521,
9.9526

■ 17.8288, 34.8917,
8.2739

■ 19.3348, 35.5836,
12.1607

■ 17.8153, 34.8855,
8.2353

■ 20.7045, 36.2296,
14.9376

■ 22.5678, 37.1173,
18.3204

■ 24.9685, 38.2683,
22.3423

■ 27.9453, 39.7021,
27.0342

■ 31.5333, 41.4363,
32.4247

■ 35.7649, 43.4867,
38.5409

■ 40.6698, 45.8684,
45.4085

■ 46.2763, 48.5953,
53.0519

Harmonies

Analogous

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



25.7015, 35.1521, 3.7611



18.4069, 35.1521, 9.9526



15.3473, 35.1521, 29.0345

Triad

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



18.4069, 35.1521, 9.9526



30.0061, 35.1521, 148.4166



59.9879, 35.1521, 18.9192

Complementary

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



18.4069, 35.1521, 9.9526



25.3520, 12.8248, 27.9270

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.



61.9342, 35.1521, 49.2926



18.4069, 35.1521, 9.9526



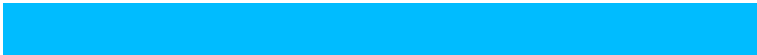
42.5259, 35.1521, 139.3914

Square

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



18.4069, 35.1521, 9.9526



20.9055, 35.1521, 116.8183



54.9262, 35.1521, 96.6449



50.1133, 35.1521, 6.3488

Rectangle

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



18.4069, 35.1521, 9.9526



15.4512, 35.1521, 52.7187



54.9262, 35.1521, 96.6449



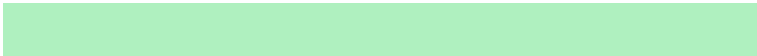
61.6717, 35.1521, 26.7439

Sweetspot

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



18.4077, 35.1535, 9.9534



58.1043, 74.9984, 60.4604



29.3692, 40.8820, 6.9592



12.0118, 15.9192, 12.2785



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.



18.4077, 35.1535, 9.9534



31.8296, 62.4468, 14.3474



22.4063, 36.7530, 31.0095



8.9767, 10.0947, 10.0348



12.1547, 23.7628, 5.7365



0.4535, 0.8477, 0.3338

Inverse Universe

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



25.3520, 12.8248, 27.9270



44.2703, 21.8476, 46.1051



21.1460, 11.1423, 5.7781



9.2859, 9.1247, 10.8529



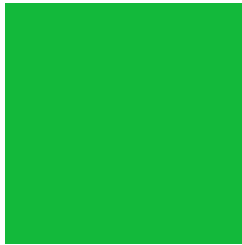
16.8973, 8.3327, 17.8776



0.6183, 0.3028, 0.7495

Previews

White Background



This preview shows how the XYZ color 18.4069, 35.1521, 9.9526 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 18.4069, 35.1521, 9.9526 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 18.4069, 35.1521, 9.9526

Background



This preview shows how black text looks on a background with the XYZ color 18.4069, 35.1521, 9.9526.



This preview shows how white text looks on a background with the XYZ color 18.4069, 35.1521,

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

18.4069, 35.1521, 9.9526

Protanopia

31.3781, 34.5092, 8.2559

Deuteranopia

35.1981, 34.4457, 10.5879



Tritanopia

26.9738, 35.0528, 52.3579

Trichromacy



Original Color

18.4069, 35.1521, 9.9526



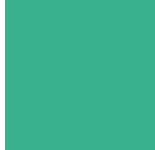
Protanomaly

22.4379, 32.2742, 8.6614



Deuteranomaly

23.5963, 31.4933, 9.9894



Tritanomaly

22.0867, 34.1785, 30.2440

Monochromacy



Original Color

18.4069, 35.1521, 9.9526



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

15.8340, 22.7132, 15.1048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4069, 35.1521, 9.9526 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(19, 185, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 185, 59) }
```

Border

The CSS property to change the border of an element to XYZ 18.4069, 35.1521, 9.9526 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, 59) }
```


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

```
.border{ border-color:rgb(19, 185, 59) }
```

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, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 185, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 185, 59);  
box-shadow:4px 4px 4px 4px rgb(19, 185,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4069, 35.1521, 9.9526 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, 59) }
```

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

```
.background{ background-color: rgb(19, 185,  
59) }
```

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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