

Converting Colors

XYZ(18.8943, 35.4060, 9.9271)

Have a look what the booklet for
XYZ(18.8943, 35.4060, 9.9271)
contains.

XYZ(18.9013, 35.4070, 9.9757)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.9013, 35.4070,
9.9757)**

Conversions

Conversions Part 1

Format	Color
Hex	25B93B
RGB	37, 185, 59
RGB Percent	15%, 73%, 23%
CMY	0.8549, 0.2745, 0.7686
CMYK	0.80, 0.00, 0.68, 0.27
HSL	129°, 67%, 44%
HSV	129°, 80%, 73%
XYZ	18.9013, 35.4070, 9.9757
YIQ	126.3840, -47.7620, -70.5620

Conversions

Conversions Part 2

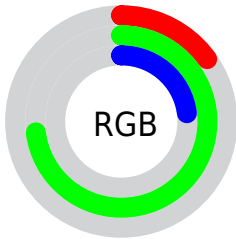
Format	Color
RYB	37, 166, 185
Decimal	2472251
CIELab	66.06, -61.88, 51.33
CIELCh	66, 80.396, 140.325
Yxy	35.4070, 0.2940, 0.5508
Android (android.graphics.Color)	4280662331 (0xFF25B93B)
YUV	126.3840, -33.2203, -78.3898
Hunter-Lab	59.5038, -47.4313, 31.7128

Details

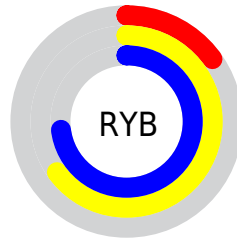
The XYZ color **18.9013, 35.4070, 9.9757** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **27.2808, 14.2822, 35.9689**, and the grayscale version is **20.0842, 21.1302, 23.0108**.

A 20% lighter version of the original color is **40.9834, 67.9253, 26.2801**, and **7.9826, 15.9653, 2.6609** is the 20% darker color. If you saturate the color by 10%, you get **18.0493, 35.0091, 8.1162**, and if you desaturate by 10%, it is **20.2144, 36.0304, 12.5017**.

Distribution



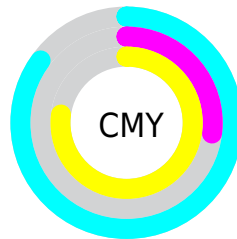
- Red (15%)
- Green (73%)
- Blue (23%)



- Red (15%)
- Yellow (65%)
- Blue (73%)



- Cyan (80%)
- Magenta (0%)
- Yellow (68%)
- Black (27%)





- Cyan (85%)
- Magenta (27%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.9013, 35.4070, 9.9757 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 18.9013, 35.4070, 9.9757 by changing the saturation by 10% instead.


 18.9013, 35.4070,
9.9757


 18.9013, 35.4070,
9.9757


238.8519,
326.3612, 200.9771


 11.7026, 23.9766,
5.2775


 41.0854, 68.1158,
26.3569


 6.6122, 15.3162,
2.3494


 56.8015, 90.1629,
38.8769

 3.2650, 9.0416,
0.7587


 76.0874, 116.5178,
54.8413

 1.2954, 4.7683,
0.0000

 99.3085, 147.5647,
74.6685

 0.1798, 2.1120,
0.0000

 126.8302,
183.6881, 98.7772

 0.0000, 0.6714,
0.0000

159.0177,

 0.0000, 0.0000,

225.2724, 127.5858

0.0000

196.2365,
272.7020, 161.5129

■ 18.9013, 35.4070,
9.9757

■ 18.9013, 35.4070,
9.9757

■ 18.0493, 35.0091,
8.1162

■ 20.2144, 36.0304,
12.5017

■ 17.5534, 34.7808,
6.8560

■ 22.0408, 36.9020,
15.7468

■ 24.4283, 38.0464,
19.7611

■ 27.4185, 39.4842,
24.5896

■ 31.0489, 41.2337,
30.2737

■ 35.3542, 43.3120,
36.8520

■ 40.3663, 45.7348,
44.3609

■ 46.1152, 48.5169,
52.8347

■ 52.6291, 51.6720,
62.3058

Harmonies

Analogous

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



26.2957, 35.4070, 3.9306



18.9013, 35.4070, 9.9757



15.7226, 35.4070, 28.5286

Triad

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



18.9013, 35.4070, 9.9757



29.9422, 35.4070, 146.3967



60.0833, 35.4070, 19.9346

Complementary

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



18.9013, 35.4070, 9.9757



27.2808, 14.2822, 35.9689

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.



61.7201, 35.4070, 50.6853



18.9013, 35.4070, 9.9757



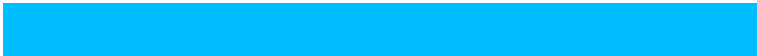
42.2693, 35.4070, 138.8466

Square

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



18.9013, 35.4070, 9.9757



21.0263, 35.4070, 114.4790



54.5845, 35.4070, 97.5696



50.5319, 35.4070, 6.8674

Rectangle

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



18.9013, 35.4070, 9.9757



15.7499, 35.4070, 51.5706



54.5845, 35.4070, 97.5696



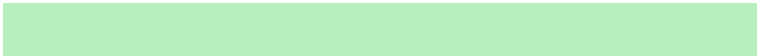
61.6525, 35.4070, 27.9327

Sweetspot

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



18.9021, 35.4085, 9.9765



59.7776, 75.8592, 60.6233



33.2568, 42.8612, 8.2705



12.3098, 16.0752, 12.1852



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.



18.9021, 35.4085, 9.9765



31.6427, 62.3859, 12.7371



22.1914, 36.7242, 27.2977



8.9433, 10.0813, 9.8589



11.9690, 23.6886, 4.7588



0.4393, 0.8420, 0.2591

Inverse Universe

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



27.2808, 14.2822, 35.9689



47.0160, 23.1124, 60.0505



22.5699, 12.3978, 11.1617



9.3220, 9.1392, 11.0430



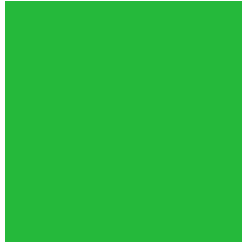
17.8173, 8.7007, 22.7226



0.6439, 0.3130, 0.8841

Previews

White Background



This preview shows how the XYZ color 18.9013, 35.4070, 9.9757 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 18.9013, 35.4070, 9.9757 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 18.9013, 35.4070, 9.9757

Background



This preview shows how black text looks on a background with the XYZ color 18.9013, 35.4070, 9.9757.



This preview shows how white text looks on a background with the XYZ color 18.9013, 35.4070,

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

18.9013, 35.4070, 9.9757

Protanopia

31.5507, 34.8545, 8.3135

Deuteranopia

35.1981, 34.4457, 10.5879



Tritanopia

27.3929, 35.2688, 52.3775

Trichromacy



Original Color

18.9013, 35.4070, 9.9757



Protanomaly

23.6300, 33.1638, 8.7703



Deuteranomaly

24.7280, 32.0767, 10.0424



Tritanomaly

22.7025, 34.4960, 30.2728

Monochromacy



Original Color

18.9013, 35.4070, 9.9757



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.4481, 24.2064, 16.3231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9013, 35.4070, 9.9757 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(37, 185, 59)` looks like.

```
.text, #text, p{  
    color:rgb(37, 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(37, 185, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 185, 59) }
```

Border

The CSS property to change the border of an element to XYZ 18.9013, 35.4070, 9.9757 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(37, 185, 59) }
```


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

```
.border{ border-color:rgb(37, 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(37, 185, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 185, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 185, 59);  
box-shadow:4px 4px 4px 4px rgb(37, 185,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9013, 35.4070, 9.9757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 185, 59) }
```

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

```
.background{ background-color: rgb(37, 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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