

Converting Colors

XYZ(19.1023, 35.9337, 7.1430)

Have a look what the booklet for
XYZ(19.1023, 35.9337, 7.1430)
contains.

XYZ(19.0599, 35.8645, 7.1463)	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(19.0599, 35.8645,
7.1463)**

Conversions

Conversions Part 1

Format	Color
Hex	31BA1E
RGB	49, 186, 30
RGB Percent	19%, 73%, 12%
CMY	0.8078, 0.2706, 0.8823
CMYK	0.74, 0.00, 0.84, 0.27
HSL	113°, 72%, 42%
HSV	113°, 84%, 73%
XYZ	19.0599, 35.8645, 7.1463
YIQ	127.2530, -31.5760, -77.5600

Conversions

Conversions Part 2

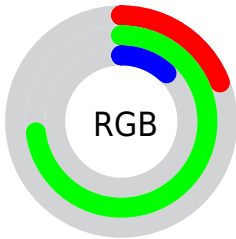
Format	Color
RYB	30, 186, 167
Decimal	3258910
CIELab	66.42, -62.58, 61.42
CIELCh	66, 87.688, 135.536
Yxy	35.8645, 0.3071, 0.5778
Android (android.graphics.Color)	4281448990 (0xFF31BA1E)
YUV	127.2530, -47.9457, -68.6279
Hunter-Lab	59.8870, -47.9920, 34.8458

Details

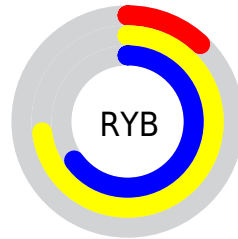
The XYZ color **19.0599, 35.8645, 7.1463** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **25.2665, 12.6910, 47.5742**, and the grayscale version is **20.4286, 21.4925, 23.4053**.

A 20% lighter version of the original color is **41.2322, 68.6213, 20.7449**, and **8.1163, 16.2326, 2.7054** is the 20% darker color. If you saturate the color by 10%, you get **18.2389, 35.4622, 6.2127**, and if you desaturate by 10%, it is **20.3081, 36.4730, 8.8323**.

Distribution



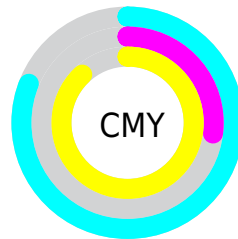
- Red (19%)
- Green (73%)
- Blue (12%)



- Red (12%)
- Yellow (73%)
- Blue (65%)



- Cyan (74%)
- Magenta (0%)
- Yellow (84%)
- Black (27%)



- Cyan (81%)
- Magenta (27%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0599, 35.8645, 7.1463 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 19.0599, 35.8645, 7.1463 by changing the saturation by 10% instead.

■ 19.0599, 35.8645,
7.1463

■ 19.0599, 35.8645,
7.1463

239.7110,
328.3679, 178.5507

■ 11.8178, 24.3296,
3.4739

■ 41.3514, 68.8229,
20.7848

■ 6.6911, 15.5783,
1.3414

■ 57.1315, 91.0151,
31.5880

■ 3.3143, 9.2262,
0.0954

■ 76.4884, 117.5286,
45.6052

■ 1.3220, 4.8890,
0.0000

■ 99.7873, 148.7476,
63.2550

■ 0.1996, 2.1823,
0.0000

■ 127.3937,
185.0567, 84.9559

■ 0.0000, 0.7103,
0.0000

■ 159.6728,

■ 0.0000, 0.0000,

226.8402, 111.1265

0.0000

196.9902,
274.4824, 142.1852

■ 19.0599, 35.8645,
7.1463

■ 19.0599, 35.8645,
7.1463

■ 18.2389, 35.4622,
6.2127

■ 20.3081, 36.4730,
8.8323

■ 17.9049, 35.2972,
5.8694

■ 22.0303, 37.3062,
11.3829

■ 24.2696, 38.3852,
14.8939

■ 27.0634, 39.7276,
19.4480

■ 30.4460, 41.3493,
25.1188

■ 34.4483, 43.2650,
31.9736

■ 39.0995, 45.4883,
40.0739

■ 44.4268, 48.0320,
49.4774

■ 50.4558, 50.9082,
60.2379

Harmonies

Analogous

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



27.7642, 35.8645, 2.6027



19.0599, 35.8645, 7.1463



15.0220, 35.8645, 23.6334

Triad

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



19.0599, 35.8645, 7.1463



28.1638, 35.8645, 159.2139



64.6513, 35.8645, 22.7112

Complementary

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



19.0599, 35.8645, 7.1463



25.2665, 12.6910, 47.5742

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.



64.8387, 35.8645, 60.0338



19.0599, 35.8645, 7.1463



41.3061, 35.8645, 158.3225

Square

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



19.0599, 35.8645, 7.1463



19.2874, 35.8645, 116.7052



55.4639, 35.8645, 114.7327



55.0033, 35.8645, 6.8425

Rectangle

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



19.0599, 35.8645, 7.1463



14.6303, 35.8645, 46.4478



55.4639, 35.8645, 114.7327



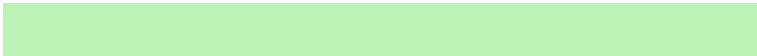
65.8919, 35.8645, 32.4832

Sweetspot

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



19.0607, 35.8660, 7.1471



61.2392, 77.8443, 55.8846



33.9769, 37.5173, 6.6797



12.9067, 16.8655, 11.3118



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



19.0607, 35.8660, 7.1471



32.3474, 63.9217, 10.6332



19.8240, 36.0869, 14.9818



8.9893, 10.1111, 9.5848



12.0804, 23.7640, 3.9502



0.4592, 0.8549, 0.1408

Inverse Universe

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



25.2665, 12.6910, 47.5742



43.4345, 20.5355, 85.8759



24.6645, 12.9483, 21.9004



9.2704, 9.1058, 11.3484



16.2157, 7.6707, 31.8790



0.6022, 0.2861, 1.1252

Previews

White Background



This preview shows how the XYZ color 19.0599, 35.8645, 7.1463 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 19.0599, 35.8645, 7.1463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

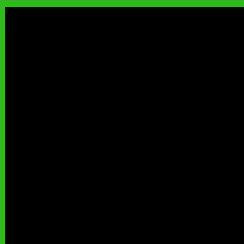
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.0599, 35.8645, 7.1463

Background



This preview shows how black text looks on a background with the XYZ color 19.0599, 35.8645, 7.1463.



This preview shows how white text looks on a background with the XYZ color 19.0599, 35.8645,

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

19.0599, 35.8645, 7.1463

Protanopia

31.7219, 35.2549, 5.9436

Deuteranopia

35.8700, 35.0957, 7.7893



Tritanopia

28.0330, 35.5988, 52.4075

Trichromacy



Original Color

19.0599, 35.8645, 7.1463



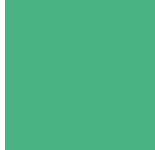
Protanomaly

24.0769, 33.7296, 6.2188



Deuteranomaly

25.5474, 32.8291, 7.1806



Tritanomaly

22.7737, 34.9083, 26.6568

Monochromacy



Original Color

19.0599, 35.8645, 7.1463



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.6673, 24.6052, 13.9433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0599, 35.8645, 7.1463 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(49, 186, 30)` looks like.

```
.text, #text, p{  
    color:rgb(49, 186, 30)  
}
```

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(49, 186, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 186, 30) }
```

Border

The CSS property to change the border of an element to XYZ 19.0599, 35.8645, 7.1463 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(49, 186, 30) }
```


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

```
.border{ border-color:rgb(49, 186, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 186, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 186, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 186, 30);  
box-shadow:4px 4px 4px 4px rgb(49, 186,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0599, 35.8645, 7.1463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 186, 30) }
```

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

```
.background{ background-color: rgb(49, 186,  
30) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor