

Converting Colors

XYZ(19.0630, 36.7456, 6.0879)

Have a look what the booklet for
XYZ(19.0630, 36.7456, 6.0879)
contains.

XYZ(19.1120, 36.8666, 6.1087)	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(19.1120, 36.8666,
6.1087)**

Conversions

Conversions Part 1

Format	Color
Hex	29BD00
RGB	41, 189, 0
RGB Percent	16%, 74%, 0%
CMY	0.8392, 0.2588, 0.9999
CMYK	0.78, 0.00, 1.00, 0.26
HSL	107°, 100%, 37%
HSV	107°, 100%, 74%
XYZ	19.1120, 36.8666, 6.1087
YIQ	123.2020, -27.5390, -90.1550

Conversions

Conversions Part 2

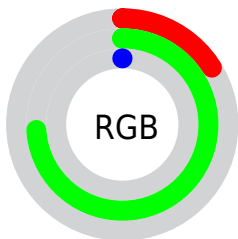
Format	Color
RYB	0, 189, 148
Decimal	2735360
CIELab	67.18, -65.59, 66.84
CIELCh	67, 93.652, 134.459
Yxy	36.8666, 0.3078, 0.5938
Android (android.graphics.Color)	4280925440 (0xFF29BD00)
YUV	123.2020, -60.7386, -72.0912
Hunter-Lab	60.7179, -50.0703, 36.5375

Details

The XYZ color **19.1120, 36.8666, 6.1087** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **21.4035, 9.9731, 48.9430**, and the grayscale version is **19.0960, 20.0905, 21.8785**.

A 20% lighter version of the original color is **41.5753, 70.6490, 18.6531**, and **8.5251, 17.0502, 2.8417** is the 20% darker color. If you saturate the color by 10%, you get **19.1121, 36.8678, 6.1089**, and if you desaturate by 10%, it is **19.9350, 37.2785, 6.7574**.

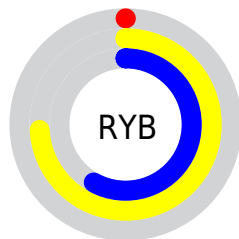
Distribution



Red (16%)

Green (74%)

Blue (0%)



Red (0%)

Yellow (74%)

Blue (58%)

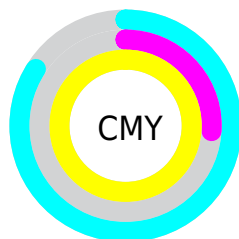


Cyan (78%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (84%)


Magenta (26%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.1120, 36.8666, 6.1087 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 19.1120, 36.8666, 6.1087 by changing the saturation by 10% instead.


 19.1120, 36.8666,
6.1087


 19.1120, 36.8666,
6.1087


239.9926,
332.7326, 169.3770


 11.8557, 25.1042,
2.8414


 41.4387, 70.3676,
18.6376


 6.7170, 16.1547,
1.0142


 57.2398, 92.8749,
28.7364


 3.3305, 9.6337,
0.0000


 76.6199, 119.7328,
41.9494

 1.3309, 5.1568,
0.0000

 99.9443, 151.3255,
58.6952

 0.2061, 2.3395,
0.0000

 127.5785,
188.0374, 79.3923

 0.0000, 0.7945,
0.0000

 159.8877,

 0.0000, 0.0000,

230.2530, 104.4593

0.0000

197.2373,
278.3566, 134.3147

■ 19.1120, 36.8666,
6.1087

■ 19.1120, 36.8666,
6.1087

■ 19.1121, 36.8678,
6.1089

■ 19.9350, 37.2785,
6.7574

■ 21.1148, 37.8601,
8.0136

■ 22.7131, 38.6397,
10.0958

■ 24.7682, 39.6344,
13.1137

■ 27.3137, 40.8598,
17.1603

■ 30.3799, 42.3295,
22.3173

■ 33.9945, 44.0562,
28.6582

■ 38.1832, 46.0519,
36.2501

■ 42.9700, 48.3274,
45.1554

Harmonies

Analogous

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



28.6217, 36.8666, 1.9946



19.1120, 36.8666, 6.1087



14.6844, 36.8666, 22.5428

Triad

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



19.1120, 36.8666, 6.1087



28.1864, 36.8666, 173.5766



68.9233, 36.8666, 23.5330

Complementary

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



19.1120, 36.8666, 6.1087



21.4035, 9.9731, 48.9430

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.



68.7129, 36.8666, 65.1133



19.1120, 36.8666, 6.1087



42.3539, 36.8666, 174.5985

Square

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



19.1120, 36.8666, 6.1087



18.8684, 36.8666, 124.2576



58.0067, 36.8666, 126.5006



58.5212, 36.8666, 6.4128

Rectangle

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



19.1120, 36.8666, 6.1087



14.1747, 36.8666, 46.5715



58.0067, 36.8666, 126.5006



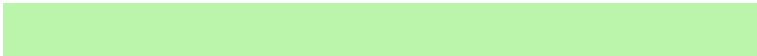
70.1656, 36.8666, 34.3323

Sweetspot

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



19.1129, 36.8681, 6.1095



60.5400, 78.7385, 50.7155



31.0986, 31.0419, 4.3532



12.4101, 16.6418, 9.8291



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.



19.1129, 36.8681, 6.1095



34.0643, 65.9429, 10.9329



18.7834, 36.6308, 9.1454



9.5970, 10.7467, 10.1451



12.9129, 24.8327, 4.1126



0.5627, 1.0020, 0.1638

Inverse Universe

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



21.4035, 9.9731, 48.9430



38.1184, 17.7503, 87.6433



25.6190, 12.6724, 25.3720



9.7220, 9.5891, 12.0107



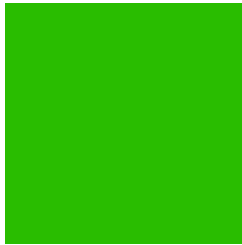
14.4663, 6.7437, 32.9321



0.6179, 0.2906, 1.2924

Previews

White Background



This preview shows how the XYZ color 19.1120, 36.8666, 6.1087 looks on a white background.

Color Contrast Check

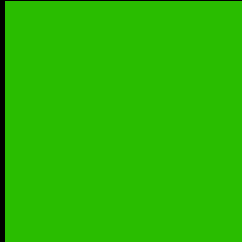
Large Text (above 18pt) WCAG AA × Fail

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 19.1120, 36.8666, 6.1087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

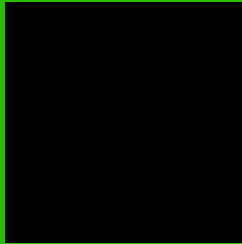
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.1120, 36.8666, 6.1087

Background



This preview shows how black text looks on a background with the XYZ color 19.1120, 36.8666, 6.1087.



This preview shows how white text looks on a background with the XYZ color 19.1120, 36.8666,

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

19.1120, 36.8666, 6.1087

Protanopia

32.6256, 36.2617, 5.2796

Deuteranopia

36.8577, 36.1087, 7.1249



Tritanopia

28.7501, 36.7946, 54.3020

Trichromacy



Original Color

19.1120, 36.8666, 6.1087



Protanomaly

24.1126, 34.3303, 5.3556



Deuteranomaly

25.6822, 33.7318, 6.1346



Tritanomaly

22.5009, 35.7303, 23.7999

Monochromacy



Original Color

19.1120, 36.8666, 6.1087



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.3231, 23.7447, 10.9306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1120, 36.8666, 6.1087 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(41, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(41, 189, 0)  
}
```

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(41, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 189, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.1120, 36.8666, 6.1087 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(41, 189, 0) }
```


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

```
.border{ border-color:rgb(41, 189, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 189, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(41, 189, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.1120, 36.8666, 6.1087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 189, 0) }
```

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

```
.background{ background-color: rgb(41, 189,  
0) }
```

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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