

Converting Colors

XYZ(19.3667, 35.3066, 11.5541)

Have a look what the booklet for
XYZ(19.3667, 35.3066, 11.5541)
contains.

XYZ(19.3727, 35.3040, 11.5877)	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(19.3727, 35.3040,
11.5877)**

Conversions

Conversions Part 1

Format	Color
Hex	2EB846
RGB	46, 184, 70
RGB Percent	18%, 72%, 27%
CMY	0.8196, 0.2784, 0.7255
CMYK	0.75, 0.00, 0.62, 0.28
HSL	130°, 60%, 45%
HSV	130°, 75%, 72%
XYZ	19.3727, 35.3040, 11.5877
YIQ	129.7420, -45.6540, -64.7100

Conversions

Conversions Part 2

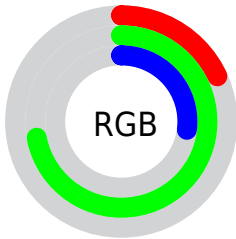
Format	Color
RYB	46, 164, 184
Decimal	3061830
CIELab	65.98, -59.13, 46.57
CIElCh	66, 75.269, 141.774
Yxy	35.3040, 0.2924, 0.5328
Android (android.graphics.Color)	4281251910 (0xFF2EB846)
YUV	129.7420, -29.4528, -73.4417
Hunter-Lab	59.4172, -45.7809, 30.0291

Details

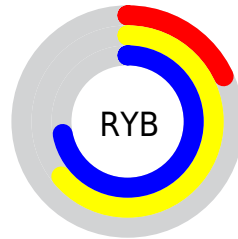
The XYZ color **19.3727, 35.3040, 11.5877** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **27.0902, 14.6829, 34.6644**, and the grayscale version is **21.2400, 22.3461, 24.3349**.

A 20% lighter version of the original color is **41.7782, 67.8264, 29.3022**, and **7.9295, 15.7322, 3.0342** is the 20% darker color. If you saturate the color by 10%, you get **18.2941, 34.7976, 9.3422**, and if you desaturate by 10%, it is **20.9295, 36.0450, 14.4911**.

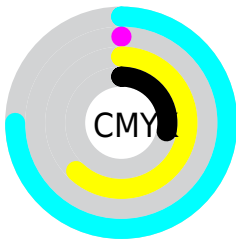
Distribution



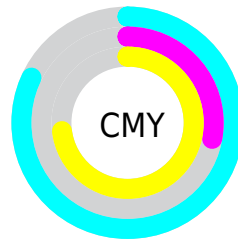
- Red (18%)
- Green (72%)
- Blue (27%)



- Red (18%)
- Yellow (64%)
- Blue (72%)



- Cyan (75%)
- Magenta (0%)
- Yellow (62%)
- Black (28%)



- Cyan (82%)
- Magenta (28%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3727, 35.3040, 11.5877 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 19.3727, 35.3040, 11.5877 by changing the saturation by 10% instead.

■ 19.3727, 35.3040,
11.5877

■ 19.3727, 35.3040,
11.5877

241.3974,
325.9081, 212.5364

■ 12.0455, 23.8971,
6.3445

■ 41.8750, 67.9564,
29.3950

■ 6.8471, 15.2573,
2.9835

■ 57.7807, 89.9708,
42.7962

■ 3.4121, 9.0002,
1.0862

■ 77.2767, 116.2898,
59.7537

■ 1.3753, 4.7413,
0.0000

■ 100.7283,
147.2979, 80.6862

■ 0.2385, 2.0963,
0.0000

■ 128.5008,
183.3793, 106.0122

■ 0.0000, 0.6625,
0.0000

160.9595,

■ 0.0000, 0.0000,

224.9186, 136.1502

0.0000

198.4700,
272.3001, 171.5188

■ 19.3727, 35.3040,
11.5877

■ 19.3727, 35.3040,
11.5877

■ 18.2941, 34.7976,
9.3422

■ 20.9295, 36.0450,
14.4911

■ 17.6326, 34.4922,
7.7006

■ 23.0108, 37.0403,
18.0960

■ 17.4019, 34.3866,
7.0868

■ 25.6601, 38.3125,
22.4450

■ 28.9153, 39.8804,
27.5767

■ 32.8115, 41.7613,
33.5270

■ 37.3807, 43.9710,
40.3295

■ 42.6528, 46.5242,
48.0161

■ 48.6561, 49.4349,
56.6167

■ 55.4171, 52.7160,
66.1602

Harmonies

Analogous

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



26.2137, 35.3040, 4.9652



19.3727, 35.3040, 11.5877



16.4936, 35.3040, 30.3060

Triad

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



19.3727, 35.3040, 11.5877



30.5799, 35.3040, 136.8713



57.6656, 35.3040, 19.8648

Complementary

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



19.3727, 35.3040, 11.5877



27.0902, 14.6829, 34.6644

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.



59.5642, 35.3040, 47.9131



19.3727, 35.3040, 11.5877



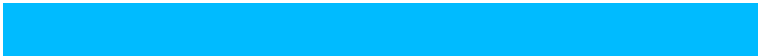
42.1538, 35.3040, 128.3141

Square

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



19.3727, 35.3040, 11.5877



21.9597, 35.3040, 109.6726



53.3749, 35.3040, 90.3318



48.6483, 35.3040, 7.5658

Rectangle

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



19.3727, 35.3040, 11.5877



16.6375, 35.3040, 52.3804



53.3749, 35.3040, 90.3318



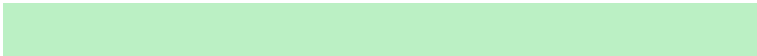
59.2270, 35.3040, 27.2224

Sweetspot

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



19.3736, 35.3055, 11.5885



61.5366, 76.6960, 63.8674



32.3329, 42.0570, 8.9986



12.8137, 16.3155, 13.0891



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.



19.3736, 35.3055, 11.5885



32.3034, 62.6797, 14.8804



22.8556, 36.6983, 29.9246



8.9524, 10.0849, 9.9068



12.0116, 23.7056, 4.9828



0.4432, 0.8436, 0.2796

Inverse Universe

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



27.0902, 14.6829, 34.6644



46.8413, 23.3976, 58.0355



22.6769, 12.9176, 11.4238



9.3121, 9.1352, 10.9908



17.5524, 8.5947, 21.3274



0.6366, 0.3101, 0.8460

Previews

White Background



This preview shows how the XYZ color 19.3727, 35.3040, 11.5877 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 19.3727, 35.3040, 11.5877 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 19.3727, 35.3040, 11.5877

Background



This preview shows how black text looks on a background with the XYZ color 19.3727, 35.3040, 11.5877.



This preview shows how white text looks on a background with the XYZ color 19.3727, 35.3040,

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

19.3727, 35.3040, 11.5877

Protanopia

31.4268, 34.5023, 9.7059

Deuteranopia

35.2795, 34.4482, 12.3791



Tritanopia

27.3618, 34.9815, 51.7644

Trichromacy



Original Color

19.3727, 35.3040, 11.5877



Protanomaly

24.0393, 33.0657, 10.2696



Deuteranomaly

25.3862, 32.3789, 11.7492



Tritanomaly

23.1579, 34.4039, 31.8056

Monochromacy



Original Color

19.3727, 35.3040, 11.5877



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

18.7587, 25.5481, 18.1299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3727, 35.3040, 11.5877 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(46, 184, 70)` looks like.

```
.text, #text, p{  
    color:rgb(46, 184, 70)  
}
```

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(46, 184, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 184, 70) }
```

Border

The CSS property to change the border of an element to XYZ 19.3727, 35.3040, 11.5877 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(46, 184, 70) }
```


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

```
.border{ border-color:rgb(46, 184, 70) }
```

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

Here you see how a box with a 4 pixel rgb(46, 184, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 184, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 184, 70);  
box-shadow:4px 4px 4px 4px rgb(46, 184,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3727, 35.3040, 11.5877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 184, 70) }
```

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

```
.background{ background-color: rgb(46, 184,  
70) }
```

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