

Converting Colors

XYZ(19.3032, 35.6612, 10.9493)

Have a look what the booklet for
XYZ(19.3032, 35.6612, 10.9493)
contains.

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Color

**XYZ(19.2872, 35.5835,
11.0060)**

Conversions

Conversions Part 1

Format	Color
Hex	2AB942
RGB	42, 185, 66
RGB Percent	16%, 73%, 26%
CMY	0.8353, 0.2745, 0.7412
CMYK	0.77, 0.00, 0.64, 0.27
HSL	130°, 63%, 45%
HSV	130°, 77%, 73%
XYZ	19.2872, 35.5835, 11.0060
YIQ	128.6770, -47.0290, -67.3250

Conversions

Conversions Part 2

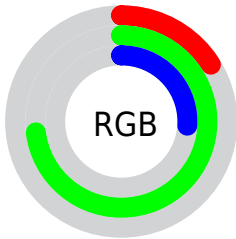
Format	Color
R _Y B	42, 164, 185
Decimal	2799938
CIE Lab	66.20, -60.49, 48.56
CIE LCh	66, 77.572, 141.245
Yxy	35.5835, 0.2928, 0.5402
Android (android.graphics.Color)	4280990018 (0xFF2AB942)
YUV	128.6770, -30.8998, -76.0157
Hunter-Lab	59.6519, -46.6766, 30.8171

Details

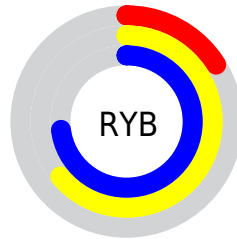
The XYZ color **19.2872, 35.5835, 11.0060** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **27.2696, 14.5441, 35.0891**, and the grayscale version is **20.8705, 21.9574, 23.9116**.

A 20% lighter version of the original color is **41.6374, 68.2157, 28.4252**, and **8.0100, 15.9762, 2.8051** is the 20% darker color. If you saturate the color by 10%, you get **18.3035, 35.1230, 8.9016**, and if you desaturate by 10%, it is **20.7438, 36.2758, 13.7718**.

Distribution



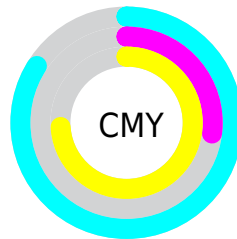
- Red (16%)
- Green (73%)
- Blue (26%)



- Red (16%)
- Yellow (64%)
- Blue (73%)



- Cyan (77%)
- Magenta (0%)
- Yellow (64%)
- Black (27%)




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.2872, 35.5835, 11.0060 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 19.2872, 35.5835, 11.0060 by changing the saturation by 10% instead.


 19.2872, 35.5835,
11.0060


 19.2872, 35.5835,
11.0060


240.9375,
327.1364, 208.4476


 11.9832, 24.1127,
5.9567


 41.7320, 68.3887,
28.3081


 6.8044, 15.4172,
2.7504


 57.6035, 90.4919,
41.3979


 3.3853, 9.1127,
0.9686


 77.0615, 116.9081,
58.0049

 1.3606, 4.8148,
0.0000

 100.4715,
148.0215, 78.5478

 0.2279, 2.1390,
0.0000

 128.1987,
184.2167, 103.4449

 0.0000, 0.6864,
0.0000

160.6085,

 0.0000, 0.0000,

225.8780, 133.1149

0.0000

198.0664,
273.3897, 167.9763

■ 19.2872, 35.5835,
11.0060

■ 19.2872, 35.5835,
11.0060

■ 18.3035, 35.1230,
8.9016

■ 20.7438, 36.2758,
13.7718

■ 17.7188, 34.8542,
7.4004

■ 22.7224, 37.2209,
17.2457

■ 17.5976, 34.7985,
7.0891

■ 25.2684, 38.4425,
21.4729

■ 28.4215, 39.9601,
26.4941

■ 32.2180, 41.7917,
32.3471

■ 36.6912, 43.9536,
39.0673

■ 41.8719, 46.4610,
46.6880

■ 47.7893, 49.3284,
55.2408

■ 54.4708, 52.5691,
64.7558

Harmonies

Analogous

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



26.3934, 35.5835, 4.5541



19.2872, 35.5835, 11.0060



16.2739, 35.5835, 29.8450

Triad

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



19.2872, 35.5835, 11.0060



30.5512, 35.5835, 141.7713



59.0378, 35.5835, 19.9615

Complementary

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



19.2872, 35.5835, 11.0060



27.2696, 14.5441, 35.0891

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.



60.8698, 35.5835, 49.2573



19.2872, 35.5835, 11.0060



42.5259, 35.5835, 133.4340

Square

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



19.2872, 35.5835, 11.0060



21.7339, 35.5835, 112.5458



54.2702, 35.5835, 93.7739



49.7199, 35.5835, 7.2954

Rectangle

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



19.2872, 35.5835, 11.0060



16.3771, 35.5835, 52.5215



54.2702, 35.5835, 93.7739



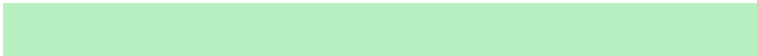
60.6222, 35.5835, 27.6155

Sweetspot

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



19.2881, 35.5850, 11.0068



60.6932, 76.2915, 62.4612



32.4998, 42.4612, 8.6736



12.4916, 16.1606, 12.5688



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.



19.2881, 35.5850, 11.0068



31.9695, 62.5290, 13.8983



22.8441, 37.0074, 29.7327



8.9502, 10.0841, 9.8953



12.0007, 23.7012, 4.9259



0.4422, 0.8432, 0.2746

Inverse Universe

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



27.2696, 14.5441, 35.0891



46.7249, 23.1447, 58.0588



22.6678, 12.7033, 10.8565



9.3145, 9.1362, 11.0033



17.6153, 8.6199, 21.6588



0.6384, 0.3108, 0.8551

Previews

White Background



This preview shows how the XYZ color 19.2872, 35.5835, 11.0060 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 19.2872, 35.5835, 11.0060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

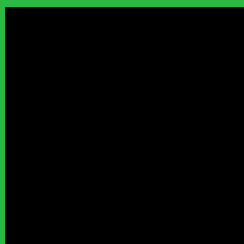
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.2872, 35.5835, 11.0060

Background



This preview shows how black text looks on a background with the XYZ color 19.2872, 35.5835, 11.0060.



This preview shows how white text looks on a background with the XYZ color 19.2872, 35.5835,

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

19.2872, 35.5835, 11.0060

Protanopia

31.7203, 34.9224, 9.2065

Deuteranopia

35.5587, 34.8486, 11.6898



Tritanopia

27.4805, 35.3140, 52.3816

Trichromacy



Original Color

19.2872, 35.5835, 11.0060



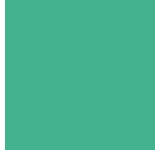
Protanomaly

24.1107, 33.3909, 9.7317



Deuteranomaly

25.4297, 32.6815, 11.0988



Tritanomaly

23.0640, 34.6564, 31.4604

Monochromacy



Original Color

19.2872, 35.5835, 11.0060



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.2787, 25.0769, 17.5126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2872, 35.5835, 11.0060 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(42, 185, 66)` looks like.

```
.text, #text, p{  
    color:rgb(42, 185, 66)  
}
```

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(42, 185, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 185, 66) }
```

Border

The CSS property to change the border of an element to XYZ 19.2872, 35.5835, 11.0060 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(42, 185, 66) }
```


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

```
.border{ border-color:rgb(42, 185, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 185, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 185, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 185, 66);  
box-shadow:4px 4px 4px 4px rgb(42, 185,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2872, 35.5835, 11.0060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 185, 66) }
```

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

```
.background{ background-color: rgb(42, 185,  
66) }
```

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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