

Converting Colors

XYZ(19.0117, 30.4025, 22.2879)

Have a look what the booklet for
XYZ(19.0117, 30.4025, 22.2879)
contains.

XYZ(19.0933, 30.5201, 22.3374)	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(19.0933, 30.5201,
22.3374)**

Conversions

Conversions Part 1

Format	Color
Hex	37A977
RGB	55, 169, 119
RGB Percent	22%, 66%, 47%
CMY	0.7843, 0.3372, 0.5333
CMYK	0.67, 0.00, 0.30, 0.34
HSL	154°, 51%, 44%
HSV	154°, 67%, 66%
XYZ	19.0933, 30.5201, 22.3374
YIQ	129.2140, -51.8940, -39.7180

Conversions

Conversions Part 2

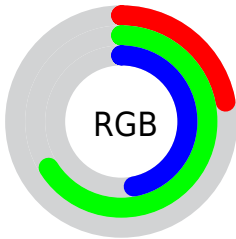
Format	Color
RYB	55, 128, 169
Decimal	3647863
CIELab	62.10, -43.81, 16.70
CIELCh	62, 46.883, 159.133
Yxy	30.5201, 0.2654, 0.4242
Android (android.graphics.Color)	4281837943 (0xFF37A977)
YUV	129.2140, -5.0355, -65.0857
Hunter-Lab	55.2450, -34.9871, 14.6986

Details

The XYZ color **19.0933, 30.5201, 22.3374** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **20.2792, 12.1880, 14.6495**, and the grayscale version is **20.9722, 22.0643, 24.0281**.

A 20% lighter version of the original color is **41.3461, 60.4355, 48.0141**, and **7.3509, 12.9330, 7.9032** is the 20% darker color. If you saturate the color by 10%, you get **17.8934, 29.9518, 20.0477**, and if you desaturate by 10%, it is **20.6465, 31.2681, 24.8263**.

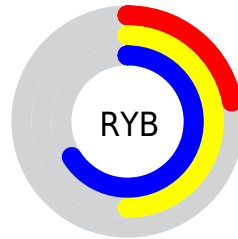
Distribution



Red (22%)

Green (66%)

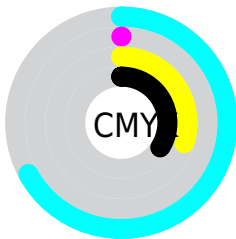
Blue (47%)



Red (22%)

Yellow (50%)

Blue (66%)

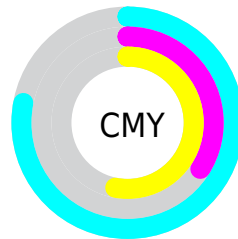


Cyan (67%)

Magenta (0%)

Yellow (30%)

Black (34%)



Cyan (78%)

Magenta (34%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0933, 30.5201, 22.3374 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 19.0933, 30.5201, 22.3374 by changing the saturation by 10% instead.

■ 19.0933, 30.5201,
22.3374

■ 19.0933, 30.5201,
22.3374

239.8916,
304.3213, 277.3140

■ 11.8421, 20.2337,
13.9043

■ 41.4073, 60.4837,
48.2123

■ 6.7077, 12.5650,
7.9162

■ 57.2009, 80.9297,
66.4913

■ 3.3247, 7.1297,
3.9544

■ 76.5727, 105.5310,
88.8893

■ 1.3277, 3.5434,
1.6003

■ 99.8880, 134.6721,
115.8249

■ 0.2038, 1.4216,
0.2911

■ 127.5122,
168.7372, 147.7166

■ 0.0000, 0.2325,
0.0000

159.8106,

■ 0.0000, 0.0000,

208.1109, 184.9830

0.0000

197.1486,
253.1774, 228.0426

■ 19.0933, 30.5201,
22.3374

■ 19.0933, 30.5201,
22.3374

■ 17.8934, 29.9518,
20.0477

■ 20.6465, 31.2681,
24.8263

■ 17.0098, 29.5418,
17.9493

■ 22.5805, 32.2076,
27.5176

■ 16.3890, 29.2635,
16.0362

■ 24.9228, 33.3533,
30.4171

■ 16.2485, 29.2011,
15.5771

■ 27.6975, 34.7177,
33.5297

■ 30.9267, 36.3121,
36.8601

■ 34.6310, 38.1469,
40.4128

■ 38.8298, 40.2322,
44.1921

■ 43.5414, 42.5772,
48.2023

■ 48.7829, 45.1908,
52.4473

Harmonies

Analogous

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



22.0119, 30.5201, 12.9238



19.0933, 30.5201, 22.3374



18.6122, 30.5201, 39.0509

Triad

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



19.0933, 30.5201, 22.3374



30.9751, 30.5201, 80.6323



39.4618, 30.5201, 15.7857

Complementary

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



19.0933, 30.5201, 22.3374



20.2792, 12.1880, 14.6495

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.



42.6955, 30.5201, 28.0204



19.0933, 30.5201, 22.3374



37.3497, 30.5201, 68.0815

Square

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



19.0933, 30.5201, 22.3374



24.9020, 30.5201, 77.3613



41.8711, 30.5201, 47.1916



33.5432, 30.5201, 10.2049

Rectangle

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



19.0933, 30.5201, 22.3374



19.6575, 30.5201, 53.1560



41.8711, 30.5201, 47.1916



40.9351, 30.5201, 19.0352

Sweetspot

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



19.0941, 30.5213, 22.3381



53.6206, 64.1577, 64.2395



20.8581, 31.7357, 8.6411



11.3448, 13.8146, 13.6505



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.0941, 30.5213, 22.3381



31.1878, 53.2396, 33.9837



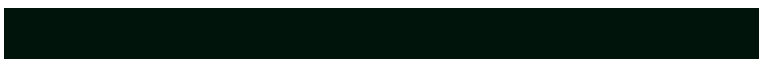
21.8885, 29.9791, 42.1705



7.6065, 8.4756, 8.9137



12.1367, 21.7734, 11.7527



0.3203, 0.5398, 0.4178

Inverse Universe

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



20.2792, 12.1880, 14.6495



33.4846, 18.0849, 19.3613



18.7054, 12.0171, 4.9484



7.6627, 7.5949, 8.5408



13.1450, 6.6667, 5.5753



0.3457, 0.1726, 0.2720

Previews

White Background



This preview shows how the XYZ color 19.0933, 30.5201, 22.3374 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 19.0933, 30.5201, 22.3374 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 19.0933, 30.5201, 22.3374

Background



This preview shows how black text looks on a background with the XYZ color 19.0933, 30.5201, 22.3374.

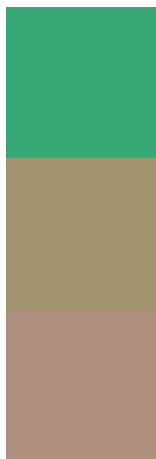


This preview shows how white text looks on a background with the XYZ color 19.0933, 30.5201,

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

19.0933, 30.5201, 22.3374

Protanopia

28.0591, 30.0943, 19.0818

Deuteranopia

30.5374, 29.8962, 23.5631



Tritanopia

23.7188, 30.5136, 45.1970

Trichromacy



Original Color

19.0933, 30.5201, 22.3374

Protanomaly

22.8951, 29.1068, 20.0342

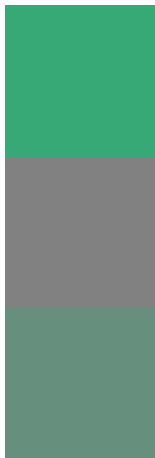
Deuteranomaly

23.8566, 28.5537, 22.9929

Tritanomaly

21.8258, 30.5420, 35.7552

Monochromacy



Original Color

19.0933, 30.5201, 22.3374

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.1544, 24.2520, 23.0736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0933, 30.5201, 22.3374 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(55, 169, 119)` looks like.

```
.text, #text, p{  
    color:rgb(55, 169, 119)  
}
```

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(55, 169, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 169, 119) }
```

Border

The CSS property to change the border of an element to XYZ 19.0933, 30.5201, 22.3374 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(55, 169, 119) }
```


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

```
.border{ border-color:rgb(55, 169, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 169, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 169, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 169, 119);  
box-shadow:4px 4px 4px 4px rgb(55, 169,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0933, 30.5201, 22.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 169, 119) }
```

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

```
.background{ background-color: rgb(55, 169,  
119) }
```

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