

Converting Colors

XYZ(19.2816, 30.8712, 23.4908)

Have a look what the booklet for
XYZ(19.2816, 30.8712, 23.4908)
contains.

XYZ(19.2528, 30.8584, 23.3539)	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(19.2528, 30.8584,
23.3539)**

Conversions

Conversions Part 1

Format	Color
Hex	33AA7A
RGB	51, 170, 122
RGB Percent	20%, 67%, 48%
CMY	0.8000, 0.3333, 0.5216
CMYK	0.70, 0.00, 0.28, 0.33
HSL	156°, 54%, 43%
HSV	156°, 70%, 67%
XYZ	19.2528, 30.8584, 23.3539
YIQ	128.9470, -55.5160, -40.1560

Conversions

Conversions Part 2

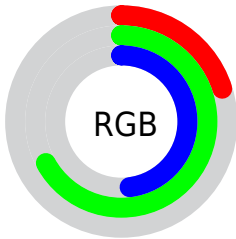
Format	Color
RYB	51, 126, 170
Decimal	3385978
CIELab	62.39, -44.23, 15.43
CIElCh	62, 46.849, 160.767
Yxy	30.8584, 0.2621, 0.4200
Android (android.graphics.Color)	4281576058 (0xFF33AA7A)
YUV	128.9470, -3.4249, -68.3595
Hunter-Lab	55.5503, -35.3480, 13.9591

Details

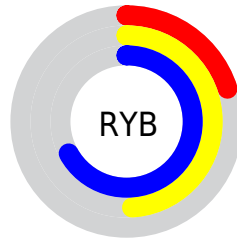
The XYZ color **19.2528, 30.8584, 23.3539** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **20.0145, 11.8152, 13.0311**, and the grayscale version is **20.8740, 21.9610, 23.9156**.

A 20% lighter version of the original color is **41.7443, 60.9986, 50.1312**, and **7.5639, 13.2036, 8.4532** is the 20% darker color. If you saturate the color by 10%, you get **18.1379, 30.3318, 21.1618**, and if you desaturate by 10%, it is **20.7125, 31.5609, 25.7200**.

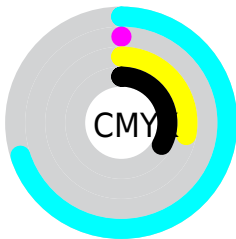
Distribution



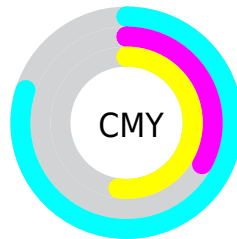
- Red (20%)
- Green (67%)
- Blue (48%)



- Red (20%)
- Yellow (49%)
- Blue (67%)



- Cyan (70%)
- Magenta (0%)
- Yellow (28%)
- Black (33%)



- Cyan (80%)
- Magenta (33%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2528, 30.8584, 23.3539 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 19.2528, 30.8584, 23.3539 by changing the saturation by 10% instead.

■ 19.2528, 30.8584,
23.3539

■ 19.2528, 30.8584,
23.3539

240.7522,
305.8854, 282.7181

■ 11.9582, 20.4910,
14.6473

■ 41.6744, 61.0171,
49.9043

■ 6.7872, 12.7525,
8.4284

■ 57.5321, 81.5772,
68.5852

■ 3.3745, 7.2583,
4.2786

■ 76.9749, 106.3036,
91.4279

■ 1.3548, 3.6242,
1.7794

■ 100.3681,
135.5809, 118.8511

■ 0.2237, 1.4656,
0.4143

■ 128.0771,
169.7933, 151.2731

■ 0.0000, 0.2644,
0.0000

160.4672,

■ 0.0000, 0.0000,

209.3253, 189.1126

0.0000

197.9038,
254.5612, 232.7881

■ 19.2528, 30.8584,
23.3539

■ 19.2528, 30.8584,
23.3539

■ 18.1379, 30.3318,
21.1618

■ 20.7125, 31.5609,
25.7200

■ 17.3286, 29.9586,
19.1368

■ 22.5457, 32.4515,
28.2626

■ 16.7454, 29.6986,
17.2723

■ 24.7809, 33.5459,
30.9866

■ 16.7453, 29.6986,
17.2721

■ 27.4429, 34.8565,
33.8963

■ 30.5546, 36.3953,
36.9955

■ 34.1370, 38.1729,
40.2880

■ 38.2100, 40.1996,
43.7775

■ 42.7921, 42.4848,
47.4675

■ 47.9009, 45.0376,
51.3614

Harmonies

Analogous

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



22.0628, 30.8584, 13.4758



19.2528, 30.8584, 23.3539



18.9029, 30.8584, 40.5590

Triad

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



19.2528, 30.8584, 23.3539



31.6688, 30.8584, 80.9417



39.5745, 30.8584, 15.5583

Complementary

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



19.2528, 30.8584, 23.3539



20.0145, 11.8152, 13.0311

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.



43.0224, 30.8584, 27.4856



19.2528, 30.8584, 23.3539



38.0398, 30.8584, 67.6185

Square

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



19.2528, 30.8584, 23.3539



25.4918, 30.8584, 78.5663



42.4234, 30.8584, 46.4738



33.5353, 30.8584, 10.2284

Rectangle

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



19.2528, 30.8584, 23.3539



20.0461, 30.8584, 54.8305



42.4234, 30.8584, 46.4738



41.1118, 30.8584, 18.7076

Sweetspot

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



19.2536, 30.8596, 23.3546



54.6057, 65.6217, 66.3241



20.2935, 31.7325, 8.1877



11.8292, 14.4616, 14.4504



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.2536, 30.8596, 23.3546



32.0329, 54.6255, 36.3277



21.2071, 28.7778, 42.4686



7.6175, 8.4800, 8.9719



12.3457, 21.8570, 12.8531



0.3247, 0.5415, 0.4408

Inverse Universe

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



20.0145, 11.8152, 13.0311



33.5449, 17.8777, 16.6254



18.8403, 12.1143, 4.4776



7.6518, 7.5906, 8.4837



13.0013, 6.6092, 4.8183



0.3418, 0.1710, 0.2513

Previews

White Background



This preview shows how the XYZ color 19.2528, 30.8584, 23.3539 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 19.2528, 30.8584, 23.3539 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 19.2528, 30.8584, 23.3539

Background



This preview shows how black text looks on a background with the XYZ color 19.2528, 30.8584, 23.3539.



This preview shows how white text looks on a background with the XYZ color 19.2528, 30.8584,

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

19.2528, 30.8584, 23.3539

Protanopia

28.3842, 30.4785, 20.0097

Deuteranopia

30.8828, 30.2757, 24.6382



Tritanopia

23.7577, 30.7848, 45.7642

Trichromacy



Original Color

19.2528, 30.8584, 23.3539

Protanomaly

22.9551, 29.3680, 20.9817

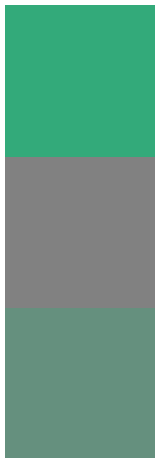
Deuteranomaly

24.0592, 28.8780, 24.0446

Tritanomaly

21.8837, 30.8310, 36.2501

Monochromacy



Original Color

19.2528, 30.8584, 23.3539

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.1060, 24.2196, 23.4065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2528, 30.8584, 23.3539 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(51, 170, 122)` looks like.

```
.text, #text, p{  
    color:rgb(51, 170, 122)  
}
```

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(51, 170, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 170, 122) }
```

Border

The CSS property to change the border of an element to XYZ 19.2528, 30.8584, 23.3539 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(51, 170, 122) }
```


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

```
.border{ border-color:rgb(51, 170, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 170, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 170, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 170, 122);  
box-shadow:4px 4px 4px 4px rgb(51, 170,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2528, 30.8584, 23.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 170, 122) }
```

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

```
.background{ background-color: rgb(51, 170,  
122) }
```

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