

Converting Colors

XYZ(17.5064, 27.4383, 20.0548)

Have a look what the booklet for
XYZ(17.5064, 27.4383, 20.0548)
contains.

XYZ(17.4149, 27.2945, 19.9733)	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(17.4149, 27.2945,
19.9733)**

Conversions

Conversions Part 1

Format	Color
Hex	3CA071
RGB	60, 160, 113
RGB Percent	24%, 63%, 44%
CMY	0.7647, 0.3725, 0.5569
CMYK	0.62, 0.00, 0.29, 0.37
HSL	152°, 45%, 43%
HSV	152°, 62%, 63%
XYZ	17.4149, 27.2945, 19.9733
YIQ	124.7420, -44.5130, -35.8170

Conversions

Conversions Part 2

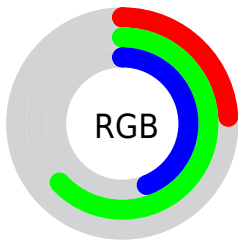
Format	Color
RYB	60, 125, 160
Decimal	3973233
CIELab	59.25, -40.35, 16.10
CIElCh	59, 43.441, 158.253
Yxy	27.2945, 0.2692, 0.4220
Android (android.graphics.Color)	4282163313 (0xFF3CA071)
YUV	124.7420, -5.7888, -56.7787
Hunter-Lab	52.2441, -31.9266, 13.9039

Details

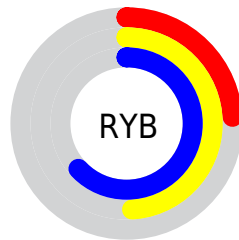
The XYZ color **17.4149, 27.2945, 19.9733** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **18.7678, 11.7674, 15.1930**, and the grayscale version is **19.4364, 20.4486, 22.2685**.

A 20% lighter version of the original color is **38.4281, 55.0994, 44.2072**, and **6.2118, 10.8970, 6.7770** is the 20% darker color. If you saturate the color by 10%, you get **16.1847, 26.7079, 17.7968**, and if you desaturate by 10%, it is **18.9739, 28.0480, 22.3496**.

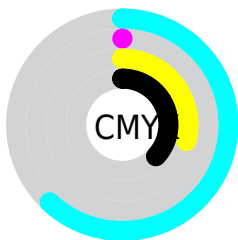
Distribution



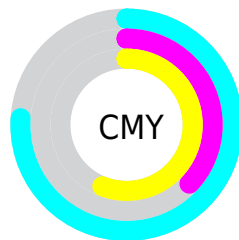
- Red (24%)
- Green (63%)
- Blue (44%)



- Red (24%)
- Yellow (49%)
- Blue (63%)



- Cyan (62%)
- Magenta (0%)
- Yellow (29%)
- Black (37%)



- Cyan (76%)
- Magenta (37%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.4149, 27.2945, 19.9733 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 17.4149, 27.2945, 19.9733 by changing the saturation by 10% instead.


 17.4149, 27.2945,
19.9733


 17.4149, 27.2945,
19.9733


230.6620,
289.0802, 264.3700


 10.6279, 17.7945,
12.1918


 38.5757, 55.3561,
44.2308


 5.8826, 10.8026,
6.7503


 53.6802, 74.6865,
61.5438


 2.8138, 5.9342,
3.2304

 72.2879, 98.0625,
82.8711

 1.0561, 2.8051,
1.2134

 94.7642, 125.8685,
108.6312

 0.0000, 1.0309,
0.0000

 121.4744,
158.4888, 139.2425

 0.0000, 0.0000,
0.0000

152.7839,

196.3080, 175.1238

189.0580,
239.7103, 216.6934

■ 17.4149, 27.2945,
19.9733

■ 17.4149, 27.2945,
19.9733

■ 16.1847, 26.7079,
17.7968

■ 18.9739, 28.0480,
22.3496

■ 15.2530, 26.2706,
15.8124

■ 20.8842, 28.9777,
24.9291

■ 14.5872, 25.9665,
14.0147

■ 23.1689, 30.0961,
27.7178

■ 14.2030, 25.7953,
12.7831

■ 25.8481, 31.4136,
30.7205

■ 28.9408, 32.9398,
33.9421

■ 32.4645, 34.6838,
37.3870

■ 36.4357, 36.6538,
41.0597

■ 40.8701, 38.8580,
44.9646

■ 45.7825, 41.3038,
49.1057

Harmonies

Analogous

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



20.0091, 27.2945, 11.8993



17.4149, 27.2945, 19.9733



16.9334, 27.2945, 34.2136

Triad

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



17.4149, 27.2945, 19.9733



27.4678, 27.2945, 70.1362



35.0198, 27.2945, 14.8026

Complementary

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



17.4149, 27.2945, 19.9733



18.7678, 11.7674, 15.1930

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.



37.6867, 27.2945, 25.6365



17.4149, 27.2945, 19.9733



32.9466, 27.2945, 59.8682

Square

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



17.4149, 27.2945, 19.9733



22.2688, 27.2945, 66.9668



36.8794, 27.2945, 42.2095



29.9998, 27.2945, 9.7199

Rectangle

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



17.4149, 27.2945, 19.9733



17.8010, 27.2945, 46.2092



36.8794, 27.2945, 42.2095



36.2509, 27.2945, 17.7089

Sweetspot

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



17.4156, 27.2956, 19.9739



48.6079, 57.8625, 57.5669



19.6122, 28.6781, 8.7770



10.3436, 12.5339, 12.2877



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.4156, 27.2956, 19.9739



28.6561, 48.1477, 30.8493



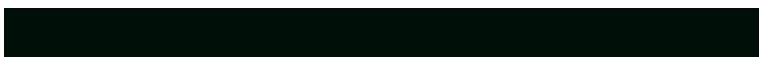
20.4933, 28.0674, 37.5964



6.6903, 7.4569, 7.8035



11.0860, 20.1023, 10.0756



0.2195, 0.3680, 0.2923

Inverse Universe

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



18.7678, 11.7674, 15.1930



31.3280, 17.5565, 21.4709



17.0181, 11.2095, 5.5420



6.7563, 6.6954, 7.5678



12.3097, 6.2285, 5.8821



0.2413, 0.1199, 0.2169

Previews

White Background



This preview shows how the XYZ color 17.4149, 27.2945, 19.9733 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4149, 27.2945, 19.9733 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 × Fail

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

XYZ 17.4149, 27.2945, 19.9733

Background



This preview shows how black text looks on a background with the XYZ color 17.4149, 27.2945, 19.9733.



This preview shows how white text looks on a background with the XYZ color 17.4149, 27.2945,

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

17.4149, 27.2945, 19.9733

Protanopia

25.0236, 26.7451, 17.2080

Deuteranopia

27.3840, 26.8088, 20.8709



Tritanopia

21.4161, 27.1553, 40.1892

Trichromacy



Original Color

17.4149, 27.2945, 19.9733

Protanomaly

20.9044, 26.1845, 18.1397

Deuteranomaly

21.8820, 25.9474, 20.3780

Tritanomaly

19.7535, 27.2231, 31.8172

Monochromacy



Original Color

17.4149, 27.2945, 19.9733

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

17.9065, 22.3241, 21.4544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4149, 27.2945, 19.9733 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(60, 160, 113)` looks like.

```
.text, #text, p{  
    color:rgb(60, 160, 113)  
}
```

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(60, 160, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 160, 113) }
```

Border

The CSS property to change the border of an element to XYZ 17.4149, 27.2945, 19.9733 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(60, 160, 113) }
```


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

```
.border{ border-color:rgb(60, 160, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 160, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 160, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 160, 113);  
box-shadow:4px 4px 4px 4px rgb(60, 160,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4149, 27.2945, 19.9733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 160, 113) }
```

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

```
.background{ background-color: rgb(60, 160,  
113) }
```

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