

Converting Colors

XYZ(14.2473, 19.5626, 26.9412)

Have a look what the booklet for
XYZ(14.2473, 19.5626, 26.9412)
contains.

XYZ(14.1947, 19.4431, 27.0495)	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(14.1947, 19.4431,
27.0495)**

Conversions

Conversions Part 1

Format	Color
Hex	2D868A
RGB	45, 134, 138
RGB Percent	18%, 53%, 54%
CMY	0.8235, 0.4745, 0.4588
CMYK	0.67, 0.03, 0.00, 0.46
HSL	183°, 51%, 36%
HSV	183°, 67%, 54%
XYZ	14.1947, 19.4431, 27.0495
YIQ	107.8450, -54.3280, -17.6240

Conversions

Conversions Part 2

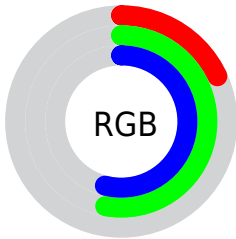
Format	Color
R_{YB}	45, 90, 138
Decimal	2983562
CIE _{Lab}	51.20, -24.39, -9.86
CIE _{LCh}	51, 26.304, 202.020
Yxy	19.4431, 0.2339, 0.3204
Android (android.graphics.Color)	4281173642 (0xFF2D868A)
YUV	107.8450, 14.8664, -55.1151
Hunter-Lab	44.0943, -19.7030, -5.5052




Details

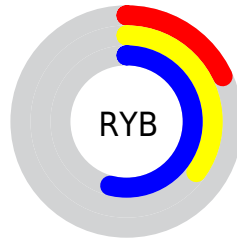
The XYZ color **14.1947, 19.4431, 27.0495** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.0535, 7.7897, 3.3513**, and the grayscale version is **14.1816, 14.9202, 16.2481**.




A 20% lighter version of the original color is **33.0961, 42.6711, 55.7822**, and **4.9318, 7.0452, 10.3325** is the 20% darker color. If you saturate the color by 10%, you get **13.6024, 19.0168, 26.9988**, and if you desaturate by 10%, it is **14.9872, 19.9742, 27.1106**.

Distribution







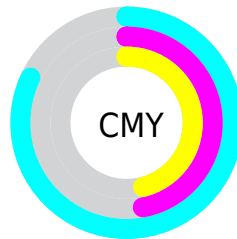
-  Red (18%)
-  Green (53%)
-  Blue (54%)






-  Red (18%)
-  Yellow (35%)
-  Blue (54%)



-  Cyan (67%)
-  Magenta (3%)
-  Yellow (0%)
-  Black (46%)



-  Cyan (82%)
-  Magenta (47%)
-  Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.1947, 19.4431, 27.0495 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 14.1947, 19.4431, 27.0495 by changing the saturation by 10% instead.

■ 14.1947, 19.4431,
27.0495

■ 14.1947, 19.4431,
27.0495

■ 211.9252,
248.8841, 301.6645

■ 8.3388, 11.9909,
17.3776

■ 33.0175, 42.4815,
55.9680

■ 4.3661, 6.7375,
10.3393

■ 46.7151, 58.8365,
76.0517

■ 1.9113, 3.2985,
5.5160

■ 63.7573, 78.9278,
100.4431

■ 0.5834, 1.2895,
2.4891

■ 84.5095, 103.1400,
129.5607

■ 0.0000, 0.1330,
0.8344

■ 109.3371,
131.8573, 163.8232

■ 0.0000, 0.0000,
0.0000

■ 138.6053,

165.4641, 203.6489

172.6795,
204.3450, 249.4565

■ 14.1947, 19.4431,
27.0495

■ 14.1947, 19.4431,
27.0495

■ 13.6024, 19.0168,
26.9988

■ 14.9872, 19.9742,
27.1106

■ 13.1883, 18.6826,
26.9561

■ 15.9956, 20.6168,
27.1815

■ 12.9141, 18.4211,
26.9201

■ 17.2361, 21.3798,
27.2634

■ 12.8479, 18.3558,
26.9110

■ 18.7228, 22.2703,
27.3569

■ 20.4688, 23.2952,
27.4627

■ 22.4860, 24.4607,
27.5813

■ 24.7859, 25.7726,
27.7133

■ 27.3792, 27.2364,
27.8592

■ 30.2759, 28.8573,
28.0194

Harmonies

Analogous

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



13.9292, 19.4431, 19.2311



14.1947, 19.4431, 27.0495



15.5518, 19.4431, 34.6905

Triad

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



14.1947, 19.4431, 27.0495



22.7393, 19.4431, 31.3405



19.1878, 19.4431, 9.8610

Complementary

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



14.1947, 19.4431, 27.0495



12.0535, 7.7897, 3.3513

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.



21.7546, 19.4431, 11.7176



14.1947, 19.4431, 27.0495



23.9277, 19.4431, 23.2356

Square

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



14.1947, 19.4431, 27.0495



20.4327, 19.4431, 37.5475



23.5513, 19.4431, 16.2113



16.6560, 19.4431, 10.4194

Rectangle

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



14.1947, 19.4431, 27.0495



16.9692, 19.4431, 38.0593



23.5513, 19.4431, 16.2113



20.0781, 19.4431, 10.2041

Sweetspot

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



14.1953, 19.4438, 27.0500



35.0945, 40.4867, 48.3482



10.7066, 18.9495, 5.9009



7.7025, 8.9819, 10.8340



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



14.1953, 19.4438, 27.0500



23.5496, 33.1861, 47.5475



9.1927, 9.4387, 25.3824



5.1547, 5.6524, 6.4252



11.7823, 16.8350, 24.6742



0.0809, 0.1171, 0.1648

Inverse Universe

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



15.7232, 9.0017, 23.4639



26.5183, 13.6529, 40.4102



15.0116, 13.7058, 4.3373



5.2247, 5.1253, 6.2718



13.4340, 6.4837, 20.5875



0.0906, 0.0436, 0.1438

Previews

White Background



This preview shows how the XYZ color 14.1947, 19.4431, 27.0495 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 14.1947, 19.4431, 27.0495 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 14.1947, 19.4431, 27.0495

Background



This preview shows how black text looks on a background with the XYZ color 14.1947, 19.4431, 27.0495.

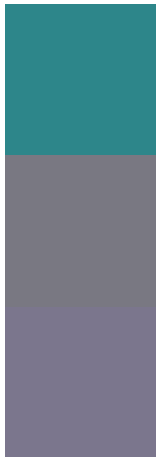


This preview shows how white text looks on a background with the XYZ color 14.1947, 19.4431,

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

14.1947, 19.4431, 27.0495

Protanopia

18.6309, 19.1096, 23.8257

Deuteranopia

19.4545, 19.0909, 27.8589



Tritanopia

14.6405, 19.4171, 29.3618

Trichromacy



Original Color

14.1947, 19.4431, 27.0495

Protanomaly

16.0815, 18.6878, 24.9498

Deuteranomaly

16.6606, 18.7416, 27.5503

Tritanomaly

14.4423, 19.3324, 28.5615

Monochromacy



Original Color

14.1947, 19.4431, 27.0495

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.4374, 15.9858, 19.8301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1947, 19.4431, 27.0495 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(45, 134, 138)` looks like.

```
.text, #text, p{  
    color:rgb(45, 134, 138)  
}
```

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(45, 134, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 134, 138) }
```

Border

The CSS property to change the border of an element to XYZ 14.1947, 19.4431, 27.0495 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(45, 134, 138) }
```


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

```
.border{ border-color:rgb(45, 134, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 134, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 134, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 134, 138);  
box-shadow:4px 4px 4px 4px rgb(45, 134,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 14.1947, 19.4431, 27.0495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 134, 138) }
```

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

```
.background{ background-color: rgb(45, 134,  
138) }
```

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