

Converting Colors

XYZ(27.3229, 42.9404, 42.4456)

Have a look what the booklet for
XYZ(27.3229, 42.9404, 42.4456)
contains.

XYZ(27.3229, 42.9404, 42.4456)	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(27.3229, 42.9404,
42.4456)**

Conversions

Conversions Part 1

Format	Color
Hex	1FC5A5
RGB	31, 197, 165
RGB Percent	12%, 77%, 65%
CMY	0.8784, 0.2274, 0.3529
CMYK	0.84, 0.00, 0.16, 0.23
HSL	168°, 73%, 45%
HSV	168°, 84%, 77%
XYZ	27.3229, 42.9404, 42.4456
YIQ	143.7180, -88.6640, -45.1440

Conversions

Conversions Part 2

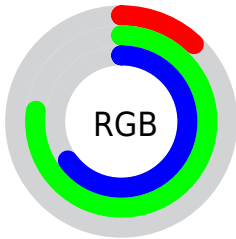
Format	Color
RYB	31, 123, 197
Decimal	2082213
CIELab	71.51, -47.23, 4.79
CIELCh	72, 47.471, 174.214
Yxy	42.9404, 0.2424, 0.3810
Android (android.graphics.Color)	4280272293 (0xFF1FC5A5)
YUV	143.7180, 10.4920, -98.8537
Hunter-Lab	65.5289, -40.2484, 7.4658

Details

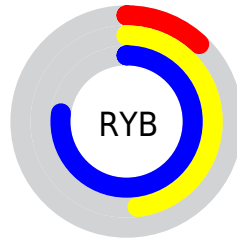
The XYZ color **27.3229, 42.9404, 42.4456** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **24.4147, 13.2105, 5.9680**, and the grayscale version is **26.3827, 27.7567, 30.2270**.

A 20% lighter version of the original color is **54.9849, 79.9385, 80.2418**, and **12.6536, 20.5383, 18.9201** is the 20% darker color. If you saturate the color by 10%, you get **26.5601, 42.5876, 40.6328**, and if you desaturate by 10%, it is **28.4605, 43.4873, 44.3315**.

Distribution



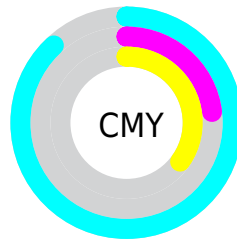
- Red (12%)
- Green (77%)
- Blue (65%)



- Red (12%)
- Yellow (48%)
- Blue (77%)



- Cyan (84%)
- Magenta (0%)
- Yellow (16%)
- Black (23%)





- Cyan (88%)
- Magenta (23%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.3229, 42.9404, 42.4456 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 27.3229, 42.9404, 42.4456 by changing the saturation by 10% instead.


 27.3229, 42.9404,
42.4456


 27.3229, 42.9404,
42.4456


281.3563,
358.3666, 372.1808


 17.9537, 29.8384,
29.1222


 54.8178, 79.6209,
80.1509


 11.0163, 19.7159,
18.9269


 73.6743, 103.9682,
105.3699


 6.1451, 12.1887,
11.4412


 96.4239, 132.8326,
135.3912

 2.9750, 6.8723,
6.2465

 123.4319,
166.5987, 170.6333

 1.1406, 3.3824,
2.9244

 155.0639,
205.6507, 211.5148

 0.0587, 1.3345,
1.0561

191.6850,

 0.0000, 0.1677,

250.3731, 258.4542

0.0000

233.6607,
301.1503, 311.8700

■ 0.0000, 0.0000,
0.0000

■ 27.3229, 42.9404,
42.4456

■ 27.3229, 42.9404,
42.4456

■ 26.5601, 42.5876,
40.6328

■ 28.4605, 43.4873,
44.3315

■ 26.2269, 42.4378,
39.6201

■ 30.0267, 44.2530,
46.2905

■ 32.0703, 45.2636,
48.3264

■ 34.6324, 46.5402,
50.4415

■ 37.7496, 48.1018,
52.6379

■ 41.4552, 49.9655,
54.9177

■ 45.7800, 52.1471,
57.2827

■ 50.7522, 54.6613,
59.7347

■ 56.3987, 57.5218,
62.2753

Harmonies

Analogous

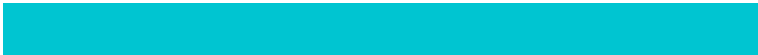
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.5468, 42.9404, 25.4064



27.3229, 42.9404, 42.4456



28.3119, 42.9404, 67.2897

Triad

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



27.3229, 42.9404, 42.4456



47.4650, 42.9404, 99.6532



50.5031, 42.9404, 19.3162

Complementary

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



27.3229, 42.9404, 42.4456



24.4147, 13.2105, 5.9680

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.



56.5409, 42.9404, 30.8907



27.3229, 42.9404, 42.4456



54.6324, 42.9404, 77.5979

Square

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



27.3229, 42.9404, 42.4456



39.2798, 42.9404, 105.8344



58.1429, 42.9404, 51.3462



42.3867, 42.9404, 15.1595

Rectangle

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



27.3229, 42.9404, 42.4456



30.7359, 42.9404, 84.7722



58.1429, 42.9404, 51.3462



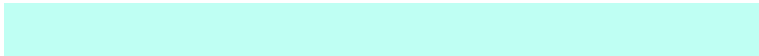
52.8835, 42.9404, 22.2397

Sweetspot

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



27.3241, 42.9421, 42.4466



73.4426, 89.0823, 97.8880



22.3426, 41.1300, 8.0586



15.1958, 18.8036, 20.6379



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



27.3241, 42.9421, 42.4466



46.8809, 75.9684, 70.4819



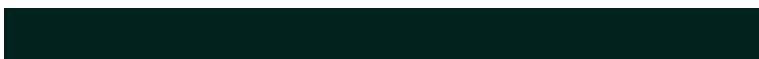
21.1097, 25.2545, 56.5871



10.8556, 12.0311, 13.1900



17.2796, 27.9242, 26.2145



0.8414, 1.3315, 1.3632

Inverse Universe

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



24.4147, 13.2105, 5.9680



41.7978, 21.4831, 4.8673



26.2026, 17.8265, 3.3571



10.7160, 10.6698, 11.4880



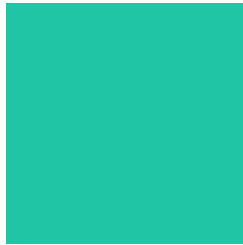
15.3987, 7.9091, 2.0436



0.7548, 0.3848, 0.2321

Previews

White Background



This preview shows how the XYZ color 27.3229, 42.9404, 42.4456 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 27.3229, 42.9404, 42.4456 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

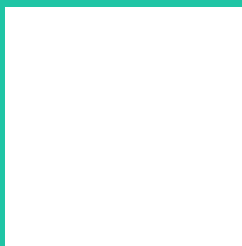
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.3229, 42.9404, 42.4456

Background



This preview shows how black text looks on a background with the XYZ color 27.3229, 42.9404, 42.4456.



This preview shows how white text looks on a background with the XYZ color 27.3229, 42.9404,

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

27.3229, 42.9404, 42.4456

Protanopia

39.9025, 42.0992, 35.7286

Deuteranopia

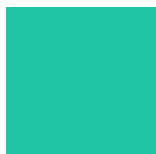
42.8392, 42.0219, 44.3812



Tritanopia

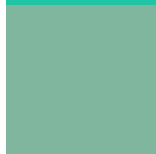
31.9432, 42.8234, 65.6136

Trichromacy



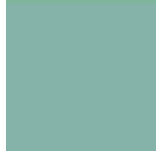
Original Color

27.3229, 42.9404, 42.4456



Protanomaly

31.5661, 40.4022, 38.0330



Deuteranomaly

32.9544, 40.0913, 43.5376



Tritanomaly

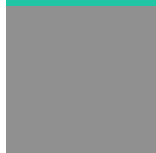
29.9496, 42.6495, 56.5228

Monochromacy



Original Color

27.3229, 42.9404, 42.4456



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.3582, 31.3449, 34.4721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3229, 42.9404, 42.4456 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(31, 197, 165)` looks like.

```
.text, #text, p{  
    color:rgb(31, 197, 165)  
}
```

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(31, 197, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 197, 165) }
```

Border

The CSS property to change the border of an element to XYZ 27.3229, 42.9404, 42.4456 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(31, 197, 165) }
```


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

```
.border{ border-color:rgb(31, 197, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 197, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 197, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 197, 165);  
box-shadow:4px 4px 4px 4px rgb(31, 197,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3229, 42.9404, 42.4456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 197, 165) }
```

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

```
.background{ background-color: rgb(31, 197,  
165) }
```

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