

Converting Colors

XYZ(27.9084, 44.5597, 42.7009)

Have a look what the booklet for
XYZ(27.9084, 44.5597, 42.7009)
contains.

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Color

**XYZ(27.9467, 44.6283,
42.7385)**

Conversions

Conversions Part 1

Format	Color
Hex	13C9A5
RGB	19, 201, 165
RGB Percent	7%, 79%, 65%
CMY	0.9254, 0.2118, 0.3529
CMYK	0.91, 0.00, 0.18, 0.21
HSL	168°, 83%, 43%
HSV	168°, 91%, 79%
XYZ	27.9467, 44.6283, 42.7385
YIQ	142.4780, -96.9160, -49.7800

Conversions

Conversions Part 2

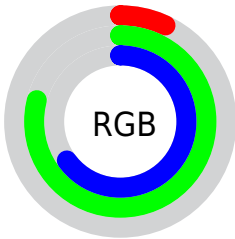
Format	Color
R _Y B	19, 120, 201
Decimal	1296805
CIE Lab	72.65, -49.62, 6.40
CIE LCh	73, 50.027, 172.647
Yxy	44.6283, 0.2424, 0.3870
Android (android.graphics.Color)	4279486885 (0xFF13C9A5)
YUV	142.4780, 11.1033, -108.2902
Hunter-Lab	66.8044, -42.2347, 8.8320

Details

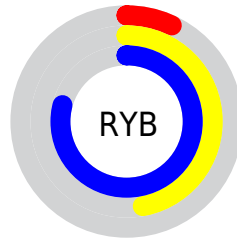
The XYZ color **27.9467, 44.6283, 42.7385** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **25.0114, 13.1603, 4.8387**, and the grayscale version is **25.8881, 27.2362, 29.6603**.

A 20% lighter version of the original color is **54.6221, 79.7515, 80.2248**, and **13.2595, 21.7500, 19.1221** is the 20% darker color. If you saturate the color by 10%, you get **27.3415, 44.3564, 40.9497**, and if you desaturate by 10%, it is **28.8879, 45.0721, 44.7025**.

Distribution



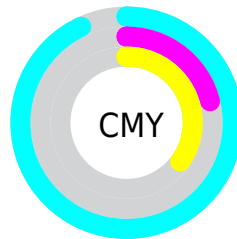
- Red (7%)
- Green (79%)
- Blue (65%)



- Red (7%)
- Yellow (47%)
- Blue (79%)



- Cyan (91%)
- Magenta (0%)
- Yellow (18%)
- Black (21%)



- Cyan (93%)
- Magenta (21%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.9467, 44.6283, 42.7385 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 27.9467, 44.6283, 42.7385 by changing the saturation by 10% instead.


 27.9467, 44.6283,
42.7385


 27.9467, 44.6283,
42.7385


284.2968,
365.2661, 373.4248


 18.4257, 31.1648,
29.3501


 55.8086, 82.1624,
80.5982


 11.3576, 20.7243,
19.0980


 74.8802, 107.0017,
105.9066


 6.3770, 12.9227,
11.5636


 97.8661, 136.4017,
136.0255

 3.1185, 7.3753,
6.3283

 125.1316,
170.7468, 171.3732

 1.2167, 3.6979,
2.9737

 157.0420,
210.4214, 212.3685

 0.1195, 1.5060,
1.0812

193.9628,

 0.0000, 0.2930,

255.8098, 259.4299

0.0000

236.2593,
307.2966, 312.9758

■ 0.0000, 0.0000,
0.0000

■ 27.9467, 44.6283,
42.7385

■ 27.9467, 44.6283,
42.7385

■ 27.3415, 44.3564,
40.9497

■ 28.8879, 45.0721,
44.7025

■ 30.2424, 45.7266,
46.7442

■ 32.0673, 46.6222,
48.8677

■ 34.4098, 47.7834,
51.0756

■ 37.3112, 49.2314,
53.3706

■ 40.8086, 50.9852,
55.7547

■ 44.9359, 53.0624,
58.2300

■ 49.7244, 55.4791,
60.7985

■ 55.2033, 58.2502,
63.4621

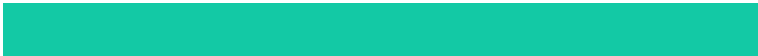
Harmonies

Analogous

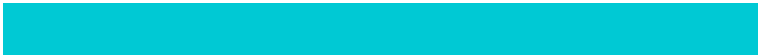
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.5044, 44.6283, 25.0113



27.9467, 44.6283, 42.7385



28.8247, 44.6283, 69.3790

Triad

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



27.9467, 44.6283, 42.7385



49.1622, 44.6283, 107.2709



53.3506, 44.6283, 19.6757

Complementary

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



27.9467, 44.6283, 42.7385



25.0114, 13.1603, 4.8387

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.



59.7268, 44.6283, 32.4377



27.9467, 44.6283, 42.7385



57.0881, 44.6283, 83.6722

Square

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



27.9467, 44.6283, 42.7385



40.3212, 44.6283, 112.9406



61.1803, 44.6283, 54.9583



44.5859, 44.6283, 14.9694

Rectangle

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



27.9467, 44.6283, 42.7385



31.3054, 44.6283, 88.6177



61.1803, 44.6283, 54.9583



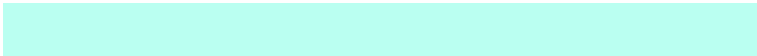
55.8906, 44.6283, 22.9046

Sweetspot

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



27.9479, 44.6300, 42.7396



71.9801, 88.3515, 96.7766



22.6034, 42.6458, 7.6570



14.9122, 18.6623, 20.4043



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.



27.9479, 44.6300, 42.7396



46.7257, 75.9063, 69.6647



21.1537, 25.0394, 58.9784



10.8533, 12.0302, 13.1776



17.2237, 27.9019, 25.9203



0.8391, 1.3306, 1.3516

Inverse Universe

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



25.0114, 13.1603, 4.8387



41.8254, 21.4942, 5.0126



26.6289, 17.3111, 2.5547



10.7182, 10.6707, 11.4994



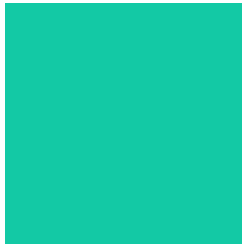
15.4098, 7.9135, 2.1022



0.7558, 0.3852, 0.2373

Previews

White Background



This preview shows how the XYZ color 27.9467, 44.6283, 42.7385 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 27.9467, 44.6283, 42.7385 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

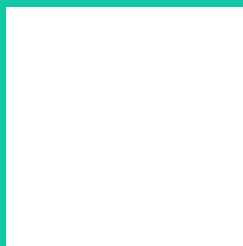
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.9467, 44.6283, 42.7385

Background



This preview shows how black text looks on a background with the XYZ color 27.9467, 44.6283, 42.7385.

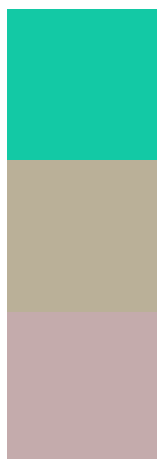


This preview shows how white text looks on a background with the XYZ color 27.9467, 44.6283,

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

27.9467, 44.6283, 42.7385

Protanopia

41.4425, 43.7568, 35.9674

Deuteranopia

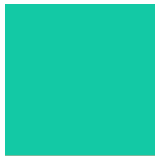
44.7743, 43.8401, 45.1319



Tritanopia

33.1974, 44.7255, 68.5112

Trichromacy



Original Color

27.9467, 44.6283, 42.7385



Protanomaly

31.8922, 41.4922, 38.2262



Deuteranomaly

33.4051, 41.2260, 43.7329



Tritanomaly

30.8306, 44.4084, 57.9857

Monochromacy



Original Color

27.9467, 44.6283, 42.7385



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.5320, 30.9378, 33.5855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9467, 44.6283, 42.7385 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(19, 201, 165)` looks like.

```
.text, #text, p{  
    color:rgb(19, 201, 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(19, 201, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 201, 165) }
```

Border

The CSS property to change the border of an element to XYZ 27.9467, 44.6283, 42.7385 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(19, 201, 165) }
```


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

```
.border{ border-color:rgb(19, 201, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 201, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 201, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 201, 165);  
box-shadow:4px 4px 4px 4px rgb(19, 201,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9467, 44.6283, 42.7385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 201, 165) }
```

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

```
.background{ background-color: rgb(19, 201,  
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](#).

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