

Converting Colors

XYZ(29.1248, 41.4595, 32.3031)

Have a look what the booklet for
XYZ(29.1248, 41.4595, 32.3031)
contains.

XYZ(29.0994, 41.4425, 32.4521)	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(29.0994, 41.4425,
32.4521)**

Conversions

Conversions Part 1

Format	Color
Hex	6ABD8F
RGB	106, 189, 143
RGB Percent	42%, 74%, 56%
CMY	0.5843, 0.2588, 0.4392
CMYK	0.44, 0.00, 0.24, 0.26
HSL	147°, 39%, 58%
HSV	147°, 44%, 74%
XYZ	29.0994, 41.4425, 32.4521
YIQ	158.9390, -34.7020, -31.9020

Conversions

Conversions Part 2

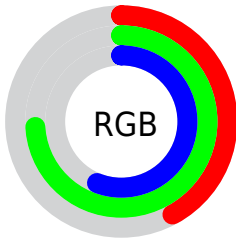
Format	Color
R _{YB}	106, 163, 189
Decimal	6995343
CIE Lab	70.48, -35.79, 15.52
CIE LCh	70, 39.007, 156.560
Yxy	41.4425, 0.2825, 0.4024
Android (android.graphics.Color)	4285185423 (0xFF6ABD8F)
YUV	158.9390, -7.8579, -46.4275
Hunter-Lab	64.3758, -31.9715, 15.1748

Details

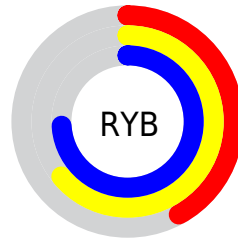
The XYZ color **29.0994, 41.4425, 32.4521** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **31.8092, 23.3949, 32.5466**, and the grayscale version is **32.9738, 34.6910, 37.7785**.

A 20% lighter version of the original color is **57.7318, 77.5198, 64.7434**, and **12.0050, 18.8221, 13.3562** is the 20% darker color. If you saturate the color by 10%, you get **26.3393, 40.1082, 28.3726**, and if you desaturate by 10%, it is **32.4308, 43.0650, 36.9470**.

Distribution



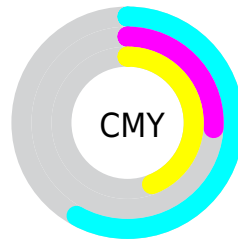
- Red (42%)
- Green (74%)
- Blue (56%)



- Red (42%)
- Yellow (64%)
- Blue (74%)



- Cyan (44%)
- Magenta (0%)
- Yellow (24%)
- Black (26%)





- Cyan (58%)
- Magenta (26%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0994, 41.4425, 32.4521 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 29.0994, 41.4425, 32.4521 by changing the saturation by 10% instead.


 29.0994, 41.4425,
32.4521


 29.0994, 41.4425,
32.4521


289.6694,
352.1667, 327.7296


 19.3007, 28.6650,
21.4394

 57.6314, 77.3552,
64.6253

 11.9930, 18.8276,
13.2512


 77.0955, 101.2591,
86.6228

 6.8111, 11.5457,
7.4690


 100.5120,
129.6407, 113.1191

 3.3895, 6.4352,
3.6742

 128.2464,
162.8843, 144.5326

 1.3629, 3.1115,
1.4484

160.6640,
201.3743, 181.2818

 0.2296, 1.1902,
0.1790

198.1301,

 0.0000, 0.0537,

245.4951, 223.7854

0.0000

241.0101,
295.6311, 272.4618

■ 0.0000, 0.0000,
0.0000

■ 29.0994, 41.4425,
32.4521

■ 29.0994, 41.4425,
32.4521

■ 26.3393, 40.1082,
28.3726

■ 32.4308, 43.0650,
36.9470

■ 24.1124, 39.0393,
24.6935

■ 36.3620, 44.9868,
41.8661

■ 22.3806, 38.2176,
21.4030


■ 40.9236, 47.2246,
47.2214


■ 21.0995, 37.6203,
18.4873

■ 46.1429, 49.7922,
53.0237

■ 20.2153, 37.2202,
15.9319


■ 52.0456, 52.7028,
59.2833

 19.8085, 37.0407,
14.5449

 58.6562, 55.9686,
66.0101

 65.9977, 59.6014,
73.2138

 73.2762, 63.1918,
80.8656

 74.7650, 63.7874,
88.7054

Harmonies

Analogous

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



32.4739, 41.4425, 22.2374



29.0994, 41.4425, 32.4521



28.3384, 41.4425, 49.2917

Triad

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



29.0994, 41.4425, 32.4521



40.8195, 41.4425, 90.2398



50.1801, 41.4425, 27.1459

Complementary

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



29.0994, 41.4425, 32.4521



31.8092, 23.3949, 32.5466

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.



52.9953, 41.4425, 41.1978



29.0994, 41.4425, 32.4521



47.2240, 41.4425, 79.9641

Square

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



29.0994, 41.4425, 32.4521



34.6731, 41.4425, 86.0362



51.8586, 41.4425, 60.7273



44.5161, 41.4425, 19.8075

Rectangle

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



29.0994, 41.4425, 32.4521



29.3326, 41.4425, 62.8826



51.8586, 41.4425, 60.7273



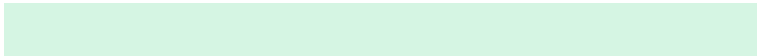
51.5175, 41.4425, 31.0694

Sweetspot

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



29.1005, 41.4442, 32.4530



73.9131, 84.8814, 85.2786



33.9437, 44.2132, 20.3812



15.4806, 18.0500, 17.8651



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.1005, 41.4442, 32.4530



47.2019, 71.8455, 50.8602



32.7387, 42.8995, 51.6116



9.5808, 10.7184, 11.0417



13.3645, 24.9361, 9.9823



0.5565, 0.9899, 0.5645

Inverse Universe

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



31.8092, 23.3949, 32.5466



52.6894, 35.2371, 51.0179



29.0402, 22.2873, 17.9653



9.7455, 9.6225, 11.0487



15.8661, 7.9776, 9.8546



0.6540, 0.3255, 0.5570

Previews

White Background



This preview shows how the XYZ color 29.0994, 41.4425, 32.4521 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 29.0994, 41.4425, 32.4521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

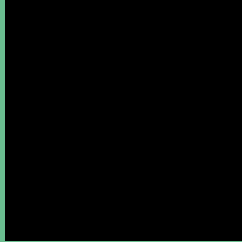
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.0994, 41.4425, 32.4521

Background



This preview shows how black text looks on a background with the XYZ color 29.0994, 41.4425, 32.4521.

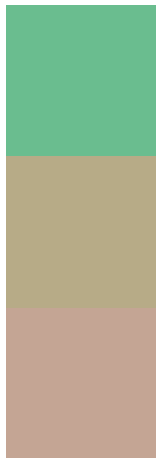


This preview shows how white text looks on a background with the XYZ color 29.0994, 41.4425,

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

29.0994, 41.4425, 32.4521

Protanopia

38.4645, 40.9424, 28.7970

Deuteranopia

41.5654, 40.7841, 33.6984



Tritanopia

34.4137, 41.4091, 59.0023

Trichromacy



Original Color

29.0994, 41.4425, 32.4521



Protanomaly

34.0254, 40.6443, 30.0966



Deuteranomaly

35.4286, 40.1340, 33.0735



Tritanomaly

32.2242, 41.4497, 47.8972

Monochromacy



Original Color

29.0994, 41.4425, 32.4521



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.9397, 36.6248, 35.5756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0994, 41.4425, 32.4521 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(106, 189, 143)` looks like.

```
.text, #text, p{  
    color:rgb(106, 189, 143)  
}
```

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(106, 189, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 189, 143) }
```

Border

The CSS property to change the border of an element to XYZ 29.0994, 41.4425, 32.4521 is called "border". The border property can be set on classes, ids or directly on the HTML element.

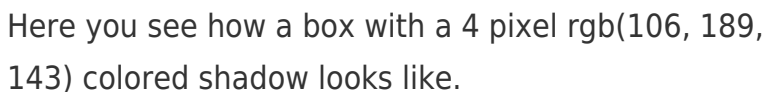
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 189, 143) }
```


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

```
.border{ border-color:rgb(106, 189, 143) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 189, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 189, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 189, 143); box-shadow:4px 4px 4px 4px rgb(106, 189, 143) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0994, 41.4425, 32.4521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 189, 143) }
```

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

```
.background{ background-color: rgb(106,  
189, 143) }
```

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