

# Converting Colors

XYZ(26.1456, 43.2414, 32.1677)

Have a look what the booklet for  
XYZ(26.1456, 43.2414, 32.1677)  
contains.

<b>XYZ(26.1456, 43.2414, 32.1677)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(26.1456, 43.2414,  
32.1677)**

# Conversions

## Conversions Part 1

Format	Color
Hex	29C78D
RGB	41, 199, 141
RGB Percent	16%, 78%, 55%
CMY	0.8392, 0.2196, 0.4471
CMYK	0.79, 0.00, 0.29, 0.22
HSL	158°, 66%, 47%
HSV	158°, 79%, 78%
XYZ	26.1456, 43.2414, 32.1677
YIQ	145.1460, -75.5500, -51.5340

# Conversions

## Conversions Part 2

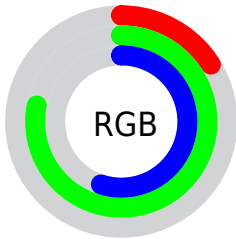
Format	Color
<a href="#">RYB</a>	<a href="#">41, 138, 199</a>
Decimal	<a href="#">2738061</a>
CIELab	<a href="#">71.72, -52.92, 18.03</a>
CIELCh	<a href="#">72, 55.906, 161.180</a>
Yxy	<a href="#">43.2414, 0.2575, 0.4258</a>
Android (android.graphics.Color)	<a href="#">4280928141 (0xFF29C78D)</a>
YUV	<a href="#">145.1460, -2.0440, -91.3360</a>
Hunter-Lab	<a href="#">65.7582, -44.1049, 17.0272</a>

# Details

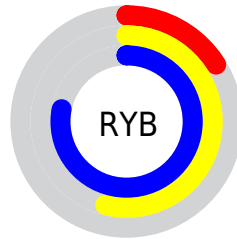
The XYZ color **26.1456, 43.2414, 32.1677** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **26.5997, 14.6298, 13.2281**, and the grayscale version is **27.0043, 28.4107, 30.9392**.

A 20% lighter version of the original color is **52.4204, 78.9708, 64.1098**, and **11.8616, 20.7018, 13.2682** is the 20% darker color. If you saturate the color by 10%, you get **25.0176, 42.7218, 29.3709**, and if you desaturate by 10%, it is **27.7126, 43.9854, 35.1741**.

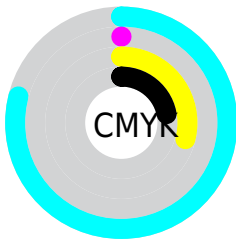
# Distribution



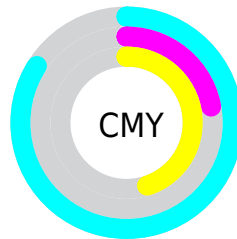
- Red (16%)
- Green (78%)
- Blue (55%)



- Red (16%)
- Yellow (54%)
- Blue (78%)



- Cyan (79%)
- Magenta (0%)
- Yellow (29%)
- Black (22%)




- Cyan (84%)
- Magenta (22%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.1456, 43.2414, 32.1677 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 26.1456, 43.2414, 32.1677 by changing the saturation by 10% instead.





 26.1456, 43.2414,  
32.1677


 26.1456, 43.2414,  
32.1677


275.7397,  
359.6036, 326.3987


 17.0658, 30.0746,  
21.2237


 52.9394, 80.0750,  
64.1749


 10.3770, 19.8952,  
13.0948


 71.3841, 104.5106,  
86.0751


 5.7138, 12.3189,  
7.3624


 93.6812, 133.4712,  
112.4646

 2.7109, 6.9612,  
3.6079

 120.1960,  
167.3412, 143.7618

 1.0028, 3.4379,  
1.4128

 151.2939,  
206.5051, 180.3853

 0.0000, 1.3644,  
0.1517

187.3403,

 0.0000, 0.1902,

251.3472, 222.7536

0.0000

228.7004,  
302.2519, 271.2852

■ 0.0000, 0.0000,  
0.0000

■ 26.1456, 43.2414,  
32.1677

■ 26.1456, 43.2414,  
32.1677

■ 25.0176, 42.7218,  
29.3709

■ 27.7126, 43.9854,  
35.1741

■ 24.2305, 42.3727,  
26.7728

■ 29.7690, 44.9764,  
38.3932

■ 24.1868, 42.3535,  
26.6215

■ 32.3618, 46.2397,  
41.8315

■ 35.5313, 47.7958,  
45.4941

■ 39.3138, 49.6635,  
49.3861

■ 43.7426, 51.8599,  
53.5121

■ 48.8484, 54.4007,  
57.8765

■ 54.6600, 57.3008,  
62.4839

■ 61.2044, 60.5739,  
67.3383

# Harmonies

## Analogous

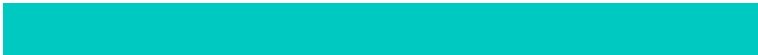
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.2264, 43.2414, 17.7042



26.1456, 43.2414, 32.1677



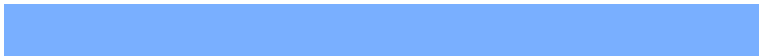
25.6833, 43.2414, 57.9493

# Triad

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



26.1456, 43.2414, 32.1677



44.7369, 43.2414, 119.1251



56.4050, 43.2414, 20.3926

# Complementary

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



26.1456, 43.2414, 32.1677



26.5997, 14.6298, 13.2281

# 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.



61.7047, 43.2414, 37.6670



26.1456, 43.2414, 32.1677



54.3102, 43.2414, 98.3275

# Square

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



26.1456, 43.2414, 32.1677



35.4944, 43.2414, 115.8130



60.8841, 43.2414, 66.0145



47.2659, 43.2414, 12.9365



# Rectangle

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



26.1456, 43.2414, 32.1677



27.3920, 43.2414, 79.6183



60.8841, 43.2414, 66.0145



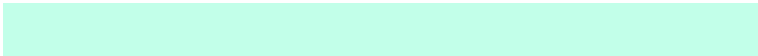
58.7536, 43.2414, 24.8938

# Sweetspot

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



26.1468, 43.2431, 32.1687



72.5982, 88.8194, 90.0592



26.2556, 43.8084, 9.1704



14.9549, 18.7215, 18.7230



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.



26.1468, 43.2431, 32.1687



42.8116, 74.3594, 48.2060



27.6605, 37.4685, 59.8092



10.7751, 11.9989, 12.7660



15.5954, 27.2505, 17.3460



0.7725, 1.3039, 1.0004



# Inverse Universe

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



26.5997, 14.6298, 13.2281



43.7632, 22.4945, 14.5229



25.5411, 15.4759, 3.7393



10.7921, 10.7002, 11.8887



15.9585, 8.1330, 4.9914

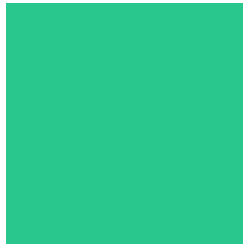


0.7905, 0.3990, 0.4197



# Previews

## White Background



This preview shows how the XYZ color 26.1456, 43.2414, 32.1677 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 26.1456, 43.2414, 32.1677 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

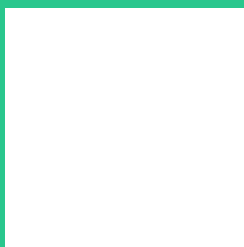
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 26.1456, 43.2414, 32.1677**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.1456, 43.2414, 32.1677.



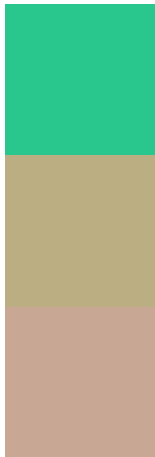
This preview shows how white text looks on a background with the XYZ color 26.1456, 43.2414,



# 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

26.1456, 43.2414, 32.1677

### Protanopia

39.6588, 42.4486, 27.2222

### Deuteranopia

43.1673, 42.4227, 33.9302



## **Tritanopia**

32.7519, 43.2543, 65.0152

# Trichromacy



## Original Color

26.1456, 43.2414, 32.1677



## Protanomaly

31.0681, 40.6565, 28.7643



## Deuteranomaly

32.3863, 40.0353, 32.8087



## Tritanomaly

29.7852, 43.0177, 50.9894

# Monochromacy



## Original Color

26.1456, 43.2414, 32.1677



## Achromatopsia

26.9133, 28.3149, 30.8349



## Achromatomaly

24.5526, 32.0497, 31.2777

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.1456, 43.2414, 32.1677 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(41, 199, 141)` looks like.

```
.text, #text, p{  
    color:rgb(41, 199, 141)  
}
```

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(41, 199, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 199, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 26.1456, 43.2414, 32.1677 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(41, 199, 141) }
```



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

```
.border{ border-color:rgb(41, 199, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 199, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 199, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 199, 141);  
box-shadow:4px 4px 4px 4px rgb(41, 199,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.1456, 43.2414, 32.1677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 199, 141) }
```

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

```
.background{ background-color: rgb(41, 199,  
141) }
```

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