

Converting Colors

XYZ(28.3518, 44.4615, 44.1417)

Have a look what the booklet for
XYZ(28.3518, 44.4615, 44.1417)
contains.

XYZ(28.3494, 44.4590, 44.1331)	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(28.3494, 44.4590,
44.1331)**

Conversions

Conversions Part 1

Format	Color
Hex	21C8A8
RGB	33, 200, 168
RGB Percent	13%, 78%, 66%
CMY	0.8705, 0.2157, 0.3412
CMYK	0.83, 0.00, 0.16, 0.22
HSL	169°, 72%, 46%
HSV	169°, 83%, 78%
XYZ	28.3494, 44.4590, 44.1331
YIQ	146.4190, -89.2600, -45.3560

Conversions

Conversions Part 2

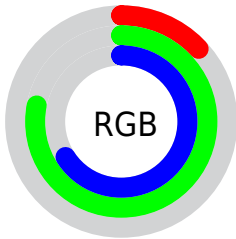
Format	Color
RYB	33, 125, 200
Decimal	2214056
CIELab	72.53, -47.54, 4.63
CIElCh	73, 47.767, 174.434
Yxy	44.4590, 0.2424, 0.3802
Android (android.graphics.Color)	4280404136 (0xFF21C8A8)
YUV	146.4190, 10.6394, -99.4685
Hunter-Lab	66.6776, -40.7927, 7.4310

Details

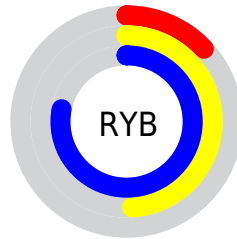
The XYZ color **28.3494, 44.4590, 44.1331** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **25.3190, 13.7501, 6.3229**, and the grayscale version is **27.4797, 28.9108, 31.4839**.

A 20% lighter version of the original color is **55.6348, 80.2272, 82.3652**, and **13.2778, 21.5118, 19.9754** is the 20% darker color. If you saturate the color by 10%, you get **27.5373, 44.0821, 42.2593**, and if you desaturate by 10%, it is **29.5544, 45.0394, 46.0822**.

Distribution



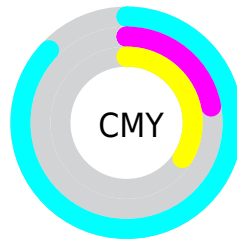
- Red (13%)
- Green (78%)
- Blue (66%)



- Red (13%)
- Yellow (49%)
- Blue (78%)



- Cyan (83%)
- Magenta (0%)
- Yellow (16%)
- Black (22%)





- Cyan (87%)
- Magenta (22%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3494, 44.4590, 44.1331 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 28.3494, 44.4590, 44.1331 by changing the saturation by 10% instead.


 28.3494, 44.4590,
44.1331


 28.3494, 44.4590,
44.1331


286.1826,
364.5781, 379.3084


 18.7310, 31.0315,
30.4372


 56.4465, 81.9080,
82.7226


 11.5789, 20.6228,
19.9158


 75.6560, 106.6983,
108.4533


 6.5278, 12.8486,
12.1504


 98.7932, 136.0450,
139.0326

 3.2123, 7.3244,
6.7224

 126.2235,
170.3324, 174.8792

 1.2670, 3.6658,
3.2133

 158.3122,
209.9451, 216.4115

 0.1583, 1.4884,
1.2046

195.4247,

 0.0000, 0.2806,

255.2673, 264.0481

0.0000

237.9264,
306.6835, 318.2076

■ 0.0000, 0.0000,
0.0000

■ 28.3494, 44.4590,
44.1331

■ 28.3494, 44.4590,
44.1331

■ 27.5373, 44.0821,
42.2593

■ 29.5544, 45.0394,
46.0822

■ 27.1477, 43.9070,
41.0752

■ 31.2073, 45.8484,
48.1067

■ 33.3580, 46.9128,
50.2104

■ 36.0489, 48.2544,
52.3957

■ 39.3177, 49.8927,
54.6647

■ 43.1986, 51.8453,
57.0197

■ 47.7233, 54.1285,
59.4624

■ 52.9213, 56.7575,
61.9946

■ 58.8200, 59.7464,
64.6181

Harmonies

Analogous

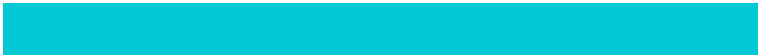
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.6187, 44.4590, 26.4948



28.3494, 44.4590, 44.1331



29.3938, 44.4590, 69.7451

Triad

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



28.3494, 44.4590, 44.1331



49.1666, 44.4590, 102.6909



52.1747, 44.4590, 20.0525

Complementary

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



28.3494, 44.4590, 44.1331



25.3190, 13.7501, 6.3229

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.



58.4129, 44.4590, 31.9382



28.3494, 44.4590, 44.1331



56.5239, 44.4590, 79.9439

Square

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



28.3494, 44.4590, 44.1331



40.7365, 44.4590, 109.1895



60.0997, 44.4590, 52.9510



43.8147, 44.4590, 15.8021

Rectangle

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



28.3494, 44.4590, 44.1331



31.9088, 44.4590, 87.7035



60.0997, 44.4590, 52.9510



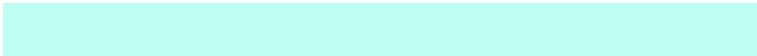
54.6306, 44.4590, 23.0536

Sweetspot

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



28.3507, 44.4607, 44.1341



73.4537, 89.0868, 97.9465



23.2043, 42.5924, 8.4380



15.1985, 18.8047, 20.6520



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.



28.3507, 44.4607, 44.1341



46.9167, 75.9827, 70.6703



21.9447, 26.2766, 58.5607



10.8562, 12.0314, 13.1929



17.2924, 27.9294, 26.2823



0.8419, 1.3317, 1.3659

Inverse Universe

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



25.3190, 13.7501, 6.3229



41.7916, 21.4806, 4.8346



27.1967, 18.5931, 3.5953



10.7155, 10.6696, 11.4854



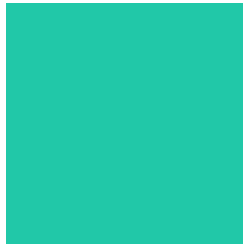
15.3962, 7.9080, 2.0304



0.7546, 0.3847, 0.2309

Previews

White Background



This preview shows how the XYZ color 28.3494, 44.4590, 44.1331 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 28.3494, 44.4590, 44.1331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

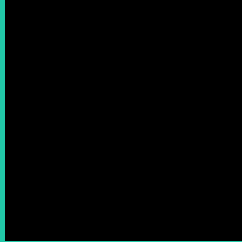
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

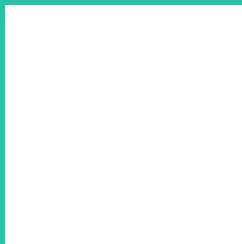
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3494, 44.4590, 44.1331

Background



This preview shows how black text looks on a background with the XYZ color 28.3494, 44.4590, 44.1331.

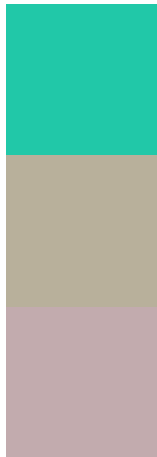


This preview shows how white text looks on a background with the XYZ color 28.3494, 44.4590,

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

28.3494, 44.4590, 44.1331

Protanopia

41.2089, 43.6076, 37.2555

Deuteranopia

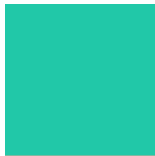
44.4510, 43.6511, 46.1271



Tritanopia

33.0390, 44.3267, 67.7873

Trichromacy



Original Color

28.3494, 44.4590, 44.1331



Protanomaly

32.7474, 41.9031, 39.6198



Deuteranomaly

34.1660, 41.5854, 45.2558



Tritanomaly

31.0585, 44.1769, 58.5198

Monochromacy



Original Color

28.3494, 44.4590, 44.1331



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.2947, 32.6088, 35.5328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3494, 44.4590, 44.1331 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(33, 200, 168)` looks like.

```
.text, #text, p{  
    color:rgb(33, 200, 168)  
}
```

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(33, 200, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 200, 168) }
```

Border

The CSS property to change the border of an element to XYZ 28.3494, 44.4590, 44.1331 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(33, 200, 168) }
```


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

```
.border{ border-color:rgb(33, 200, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 200, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 200, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 200, 168);  
box-shadow:4px 4px 4px 4px rgb(33, 200,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3494, 44.4590, 44.1331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 200, 168) }
```

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

```
.background{ background-color: rgb(33, 200,  
168) }
```

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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