

Converting Colors

XYZ(28.5389, 41.1034, 44.3178)

Have a look what the booklet for
XYZ(28.5389, 41.1034, 44.3178)
contains.

XYZ(28.6496, 41.2657, 44.4853)	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(28.6496, 41.2657,
44.4853)**

Conversions

Conversions Part 1

Format	Color
Hex	4CBEAA
RGB	76, 190, 170
RGB Percent	30%, 75%, 67%
CMY	0.7019, 0.2549, 0.3333
CMYK	0.60, 0.00, 0.11, 0.25
HSL	169°, 47%, 52%
HSV	169°, 60%, 75%
XYZ	28.6496, 41.2657, 44.4853
YIQ	153.6340, -61.5240, -30.3880

Conversions

Conversions Part 2

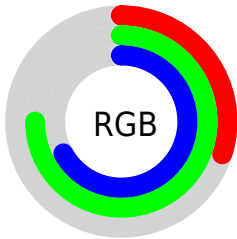
Format	Color
RYB	76, 138, 190
Decimal	5029546
CIELab	70.36, -37.00, 0.49
CIElCh	70, 37.006, 179.235
Yxy	41.2657, 0.2504, 0.3607
Android (android.graphics.Color)	4283219626 (0xFF4CBEEA)
YUV	153.6340, 8.0684, -68.0850
Hunter-Lab	64.2384, -32.8082, 3.9083

Details

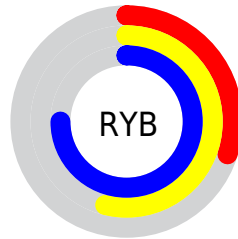
The XYZ color **28.6496, 41.2657, 44.4853** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **25.9323, 16.9616, 12.9748**, and the grayscale version is **30.5410, 32.1315, 34.9912**.

A 20% lighter version of the original color is **57.0047, 77.1920, 83.1292**, and **12.0742, 18.9163, 20.1544** is the 20% darker color. If you saturate the color by 10%, you get **27.0461, 40.4760, 42.7856**, and if you desaturate by 10%, it is **30.7092, 42.2916, 46.2500**.

Distribution



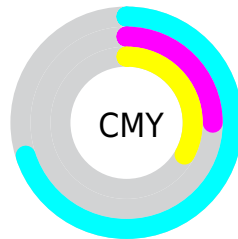
- Red (30%)
- Green (75%)
- Blue (67%)



- Red (30%)
- Yellow (54%)
- Blue (75%)



- Cyan (60%)
- Magenta (0%)
- Yellow (11%)
- Black (25%)



- Cyan (70%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6496, 41.2657, 44.4853 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 28.6496, 41.2657, 44.4853 by changing the saturation by 10% instead.

■ 28.6496, 41.2657,
44.4853

■ 28.6496, 41.2657,
44.4853

287.5822,
351.4299, 380.7842

■ 18.9589, 28.5268,
30.7122

■ 56.9213, 77.0871,
83.2578

■ 11.7444, 18.7231,
20.1232

■ 76.2330, 100.9383,
109.0942

■ 6.6408, 11.4704,
12.2997

■ 99.4824, 129.2624,
139.7889

■ 3.2828, 6.3842,
6.8231

■ 127.0348,
162.4438, 175.7603

■ 1.3050, 3.0800,
3.2749

159.2557,
200.8668, 217.4270

■ 0.1870, 1.1737,
1.2367

196.5103,

■ 0.0000, 0.0400,

244.9159, 265.2075

0.0090

239.1640,
294.9755, 319.5204

■ 0.0000, 0.0000,
0.0000

■ 28.6496, 41.2657,
44.4853

■ 28.6496, 41.2657,
44.4853

■ 27.0461, 40.4760,
42.7856

■ 30.7092, 42.2916,
46.2500

■ 25.8544, 39.8968,
41.1456

■ 33.2570, 43.5672,
48.0786

■ 25.0280, 39.5049,
39.5640

■ 36.3262, 45.1106,
49.9740

■ 24.4716, 39.2513,
38.0357

■ 39.9463, 46.9371,
51.9378

■ 24.4715, 39.2513,
38.0356

■ 44.1442, 49.0606,
53.9717

■ 48.9454, 51.4941,
56.0770

■ 54.3737, 54.2498,
58.2551

■ 60.4514, 57.3395,
60.5074

■ 67.2001, 60.7740,
62.8352

Harmonies

Analogous

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



30.0048, 41.2657, 29.8813



28.6496, 41.2657, 44.4853



29.8742, 41.2657, 63.3587

Triad

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



28.6496, 41.2657, 44.4853



45.2165, 41.2657, 80.9630



45.5147, 41.2657, 21.8552

Complementary

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



28.6496, 41.2657, 44.4853



25.9323, 16.9616, 12.9748

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.



50.3404, 41.2657, 30.4757



28.6496, 41.2657, 44.4853



50.1560, 41.2657, 64.3385

Square

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



28.6496, 41.2657, 44.4853



39.0658, 41.2657, 87.4427



52.1193, 41.2657, 45.3803



39.3783, 41.2657, 19.0687

Rectangle

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



28.6496, 41.2657, 44.4853



32.0689, 41.2657, 75.3799



52.1193, 41.2657, 45.3803



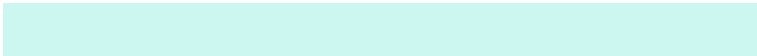
47.3663, 41.2657, 24.0348

Sweetspot

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



28.6508, 41.2673, 44.4863



73.6091, 85.6719, 94.7356



24.6383, 39.8863, 13.2384



15.7042, 18.5805, 20.5684



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



28.6508, 41.2673, 44.4863



48.2485, 72.9737, 76.5779



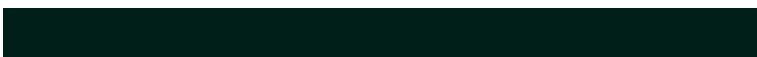
23.8151, 28.3338, 52.9309



9.7348, 10.7800, 11.8528



16.2974, 26.1093, 25.4268



0.6576, 1.0304, 1.0971

Inverse Universe

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



25.9323, 16.9616, 12.9748



42.9501, 25.0558, 14.7577



28.3463, 23.0806, 9.7991



9.5967, 9.5630, 10.2651



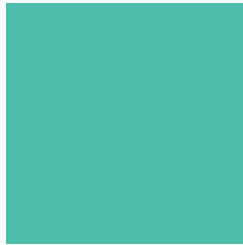
14.3267, 7.3618, 1.7482



0.5825, 0.2969, 0.1808

Previews

White Background



This preview shows how the XYZ color 28.6496, 41.2657, 44.4853 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 28.6496, 41.2657, 44.4853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

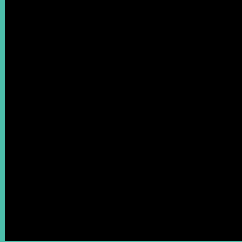
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

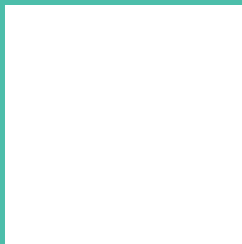
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6496, 41.2657, 44.4853

Background



This preview shows how black text looks on a background with the XYZ color 28.6496, 41.2657, 44.4853.

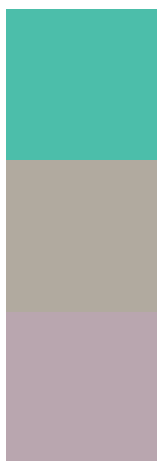


This preview shows how white text looks on a background with the XYZ color 28.6496, 41.2657,

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

28.6496, 41.2657, 44.4853

Protanopia

38.7642, 40.5998, 38.5943

Deuteranopia

41.3817, 40.6819, 46.2288



Tritanopia

32.1260, 41.4096, 61.5580

Trichromacy



Original Color

28.6496, 41.2657, 44.4853



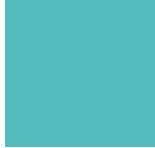
Protanomaly

33.1482, 39.6641, 40.5592



Deuteranomaly

34.5499, 39.6968, 45.3764



Tritanomaly

30.7207, 41.1432, 55.0375

Monochromacy



Original Color

28.6496, 41.2657, 44.4853



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.7681, 34.6111, 38.4221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6496, 41.2657, 44.4853 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(76, 190, 170)` looks like.

```
.text, #text, p{  
    color:rgb(76, 190, 170)  
}
```

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(76, 190, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 190, 170) }
```

Border

The CSS property to change the border of an element to XYZ 28.6496, 41.2657, 44.4853 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(76, 190, 170) }
```


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

```
.border{ border-color:rgb(76, 190, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 190, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 190, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 190, 170);  
box-shadow:4px 4px 4px 4px rgb(76, 190,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6496, 41.2657, 44.4853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 190, 170) }
```

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

```
.background{ background-color: rgb(76, 190,  
170) }
```

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