

Converting Colors

XYZ(28.1245, 41.9912, 43.6686)

Have a look what the booklet for
XYZ(28.1245, 41.9912, 43.6686)
contains.

XYZ(28.1245, 41.9912, 43.6686)	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(28.1245, 41.9912,
43.6686)**

Conversions

Conversions Part 1

Format	Color
Hex	3EC1A8
RGB	62, 193, 168
RGB Percent	24%, 76%, 66%
CMY	0.7568, 0.2431, 0.3412
CMYK	0.68, 0.00, 0.13, 0.24
HSL	169°, 51%, 50%
HSV	169°, 68%, 76%
XYZ	28.1245, 41.9912, 43.6686
YIQ	150.9810, -70.0510, -35.5470

Conversions

Conversions Part 2

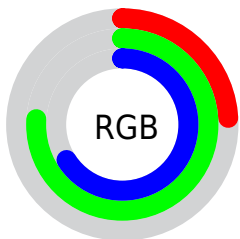
Format	Color
RYB	62, 134, 193
Decimal	4112808
CIELab	70.86, -41.23, 2.28
CIElCh	71, 41.295, 176.841
Yxy	41.9912, 0.2472, 0.3690
Android (android.graphics.Color)	4282302888 (0xFF3EC1A8)
YUV	150.9810, 8.3904, -78.0363
Hunter-Lab	64.8006, -35.9292, 5.4054

Details

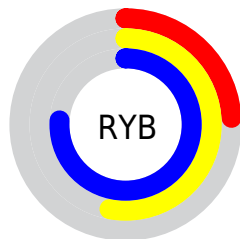
The XYZ color **28.1245, 41.9912, 43.6686** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **25.4367, 15.4721, 10.6644**, and the grayscale version is **29.3953, 30.9262, 33.6786**.

A 20% lighter version of the original color is **55.9623, 78.0589, 81.9294**, and **12.3850, 19.7262, 19.6778** is the 20% darker color. If you saturate the color by 10%, you get **26.7842, 41.3404, 41.8405**, and if you desaturate by 10%, it is **29.9065, 42.8707, 45.5700**.

Distribution



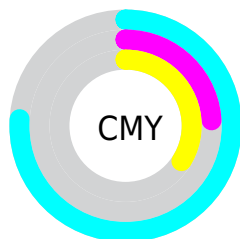
- Red (24%)
- Green (76%)
- Blue (66%)



- Red (24%)
- Yellow (53%)
- Blue (76%)



- Cyan (68%)
- Magenta (0%)
- Yellow (13%)
- Black (24%)



- Cyan (76%)
- Magenta (24%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1245, 41.9912, 43.6686 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 28.1245, 41.9912, 43.6686 by changing the saturation by 10% instead.

■ 28.1245, 41.9912,
43.6686

■ 28.1245, 41.9912,
43.6686

285.1306,
354.4465, 377.3559

■ 18.5605, 29.0944,
30.0748

■ 56.0904, 78.1863,
82.0160

■ 11.4552, 19.1522,
19.6428

■ 75.2230, 102.2534,
107.6066

■ 6.4434, 11.7803,
11.9542

■ 98.2758, 130.8127,
138.0333

■ 3.1598, 6.5943,
6.5903

■ 125.6142,
164.2487, 173.7145

■ 1.2388, 3.2097,
3.1327

■ 157.6035,
202.9456, 215.0689

■ 0.1367, 1.2422,
1.1628

194.6091,

■ 0.0000, 0.0957,

247.2880, 262.5148

0.0000

236.9964,
297.6601, 316.4710

■ 0.0000, 0.0000,
0.0000

■ 28.1245, 41.9912,
43.6686

■ 28.1245, 41.9912,
43.6686

■ 26.7842, 41.3404,
41.8405

■ 29.9065, 42.8707,
45.5700

■ 25.8342, 40.8886,
40.0801

■ 32.1677, 43.9950,
47.5440

■ 25.2036, 40.6004,
38.3845

■ 34.9455, 45.3845,
49.5938

■ 25.0855, 40.5472,
38.0310

■ 38.2726, 47.0561,
51.7213

■ 42.1790, 49.0251,
53.9282

■ 46.6924, 51.3058,
56.2164

■ 51.8388, 53.9118,
58.5872

■ 57.6426, 56.8554,
61.0424

■ 64.1271, 60.1487,
63.5833

Harmonies

Analogous

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



29.8455, 41.9912, 27.9979



28.1245, 41.9912, 43.6686



29.2499, 41.9912, 65.0118

Triad

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



28.1245, 41.9912, 43.6686



46.1758, 41.9912, 88.4498



47.5789, 41.9912, 20.8060

Complementary

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



28.1245, 41.9912, 43.6686



25.4367, 15.4721, 10.6644

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.



52.8919, 41.9912, 30.6826



28.1245, 41.9912, 43.6686



52.0188, 41.9912, 69.6842

Square

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



28.1245, 41.9912, 43.6686



39.1881, 41.9912, 94.8345



54.6024, 41.9912, 47.8373



40.6435, 41.9912, 17.4010

Rectangle

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



28.1245, 41.9912, 43.6686



31.5427, 41.9912, 79.2304



54.6024, 41.9912, 47.8373



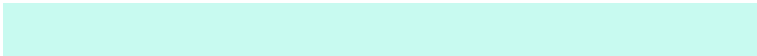
49.6430, 41.9912, 23.3100

Sweetspot

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



28.1257, 41.9928, 43.6696



73.7345, 86.8902, 95.6048



23.9844, 40.5739, 11.1259



15.3861, 18.4228, 20.2692



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.



28.1257, 41.9928, 43.6696



47.1405, 73.6415, 73.5333



23.1198, 27.8884, 54.6183



10.2834, 11.3944, 12.4959



16.7123, 26.9790, 25.4418



0.7438, 1.1744, 1.2137

Inverse Universe

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



25.4367, 15.4721, 10.6644



42.1087, 23.0510, 11.0581



27.5462, 21.0526, 7.1701



10.1500, 10.1086, 10.8805



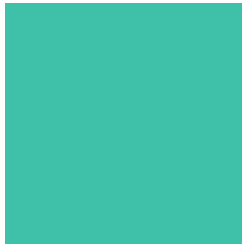
14.8704, 7.6379, 1.9635



0.6667, 0.3397, 0.2121

Previews

White Background



This preview shows how the XYZ color 28.1245, 41.9912, 43.6686 looks on a white background.

Color Contrast Check

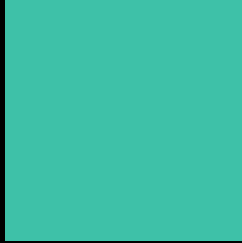
Large Text (above 18pt) WCAG AA × Fail

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 28.1245, 41.9912, 43.6686 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

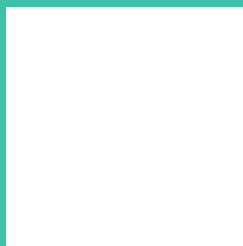
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.1245, 41.9912, 43.6686

Background



This preview shows how black text looks on a background with the XYZ color 28.1245, 41.9912, 43.6686.

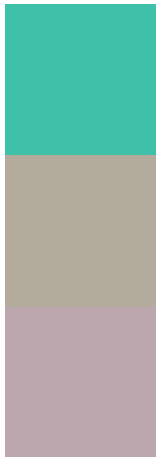


This preview shows how white text looks on a background with the XYZ color 28.1245, 41.9912,

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

28.1245, 41.9912, 43.6686

Protanopia

39.1541, 41.1098, 37.3238

Deuteranopia

42.1977, 41.3848, 45.8084



Tritanopia

31.9872, 41.9405, 62.9093

Trichromacy



Original Color

28.1245, 41.9912, 43.6686



Protanomaly

32.6186, 40.0125, 39.2617



Deuteranomaly

34.1271, 39.7800, 44.9093



Tritanomaly

30.4554, 41.9611, 55.2093

Monochromacy



Original Color

28.1245, 41.9912, 43.6686



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.3298, 33.6287, 36.9488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1245, 41.9912, 43.6686 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(62, 193, 168)` looks like.

```
.text, #text, p{  
    color:rgb(62, 193, 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(62, 193, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 193, 168) }
```

Border

The CSS property to change the border of an element to XYZ 28.1245, 41.9912, 43.6686 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(62, 193, 168) }
```


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

```
.border{ border-color:rgb(62, 193, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 193, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 193, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 193, 168);  
box-shadow:4px 4px 4px 4px rgb(62, 193,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1245, 41.9912, 43.6686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 193, 168) }
```

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

```
.background{ background-color: rgb(62, 193,  
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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