

Converting Colors

XYZ(29.9501, 45.7906, 44.2945)

Have a look what the booklet for
XYZ(29.9501, 45.7906, 44.2945)
contains.

XYZ(29.8180, 45.5611, 44.2684)	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(29.8180, 45.5611,
44.2684)**

Conversions

Conversions Part 1

Format	Color
Hex	3CC9A8
RGB	60, 201, 168
RGB Percent	24%, 79%, 66%
CMY	0.7647, 0.2118, 0.3412
CMYK	0.70, 0.00, 0.16, 0.21
HSL	166°, 57%, 51%
HSV	166°, 70%, 79%
XYZ	29.8180, 45.5611, 44.2684
YIQ	155.0790, -73.4430, -40.1550

Conversions

Conversions Part 2

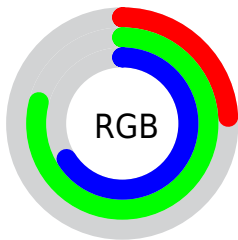
Format	Color
RYB	60, 140, 201
Decimal	3983784
CIELab	73.26, -45.00, 5.73
CIELCh	73, 45.362, 172.740
Yxy	45.5611, 0.2492, 0.3808
Android (android.graphics.Color)	4282173864 (0xFF3CC9A8)
YUV	155.0790, 6.3701, -83.3843
Hunter-Lab	67.4990, -39.2699, 8.3646

Details

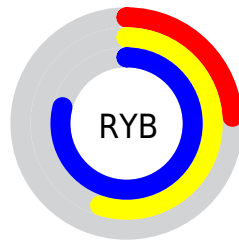
The XYZ color **29.8180, 45.5611, 44.2684** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **27.6806, 16.4407, 12.0721**, and the grayscale version is **31.1880, 32.8122, 35.7325**.

A 20% lighter version of the original color is **57.5367, 81.2077, 82.4542**, and **13.4313, 21.8187, 20.0265** is the 20% darker color. If you saturate the color by 10%, you get **28.3963, 44.8791, 41.9559**, and if you desaturate by 10%, it is **31.7191, 46.4907, 46.6882**.

Distribution



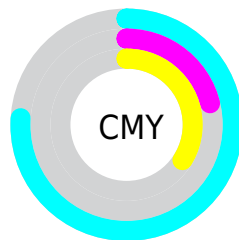
- Red (24%)
- Green (79%)
- Blue (66%)



- Red (24%)
- Yellow (55%)
- Blue (79%)



- Cyan (70%)
- Magenta (0%)
- Yellow (16%)
- Black (21%)





- Cyan (76%)
- Magenta (21%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8180, 45.5611, 44.2684 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 29.8180, 45.5611, 44.2684 by changing the saturation by 10% instead.


 29.8180, 45.5611,
44.2684


 29.8180, 45.5611,
44.2684


292.9803,
369.0413, 379.8758


 19.8479, 31.8996,
30.5428


 58.7628, 83.5618,
82.9282


 12.3921, 21.2848,
19.9954

 78.4683, 108.6697,
108.6996


 7.0854, 13.3324,
12.2077

 102.1495,
138.3620, 139.3233

 3.5624, 7.6578,
6.7610

 130.1719,
173.0229, 175.2179

 1.4577, 3.8768,
3.2369

 162.9008,
213.0369, 216.8019

 0.2968, 1.6049,
1.2168

200.7016,

 0.0000, 0.3609,

258.7884, 264.4938

0.0000

243.9396,
310.6617, 318.7123

■ 0.0000, 0.0000,
0.0000

■ 29.8180, 45.5611,
44.2684

■ 29.8180, 45.5611,
44.2684

■ 28.3963, 44.8791,
41.9559

■ 31.7191, 46.4907,
46.6882

■ 27.3946, 44.4106,
39.7440

■ 34.1427, 47.6867,
49.2150

■ 26.7165, 44.1065,
37.6583

■ 37.1312, 49.1720,
51.8528

■ 40.7218, 50.9659,
54.6040

■ 44.9481, 53.0856,
57.4711

■ 49.8416, 55.5472,
60.4564

■ 55.4313, 58.3659,
63.5620

■ 61.7446, 61.5556,
66.7899

■ 68.8076, 65.1298,
70.1421

Harmonies

Analogous

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



32.2219, 45.5611, 27.5072



29.8180, 45.5611, 44.2684



30.6584, 45.5611, 68.5701

Triad

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



29.8180, 45.5611, 44.2684



49.4991, 45.5611, 102.0601



53.2557, 45.5611, 22.2449

Complementary

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



29.8180, 45.5611, 44.2684



27.6806, 16.4407, 12.0721

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.



59.0227, 45.5611, 34.5104



29.8180, 45.5611, 44.2684



56.6749, 45.5611, 81.1885

Square

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



29.8180, 45.5611, 44.2684



41.3974, 45.5611, 107.0871



60.3451, 45.5611, 55.3612



45.2692, 45.5611, 17.5765

Rectangle

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



29.8180, 45.5611, 44.2684



33.0009, 45.5611, 85.7319



60.3451, 45.5611, 55.3612



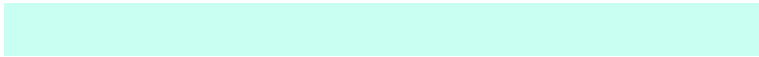
55.5562, 45.5611, 25.3956

Sweetspot

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



29.8193, 45.5629, 44.2695



76.0657, 90.4388, 97.8193



26.4490, 44.5477, 11.4803



15.8312, 19.1317, 20.6402



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.



29.8193, 45.5629, 44.2695



47.6696, 76.3886, 69.9040



25.9984, 32.3611, 60.1364



10.8364, 12.0235, 13.0888



16.8345, 27.7462, 23.8709



0.8237, 1.3244, 1.2701

Inverse Universe

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



27.6806, 16.4407, 12.0721



43.9116, 23.5863, 12.1211



29.0193, 20.9747, 6.7948



10.7339, 10.6769, 11.5820



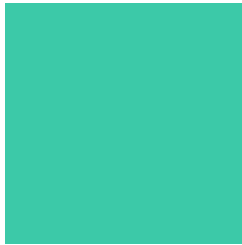
15.4983, 7.9489, 2.5680



0.7629, 0.3880, 0.2746

Previews

White Background



This preview shows how the XYZ color 29.8180, 45.5611, 44.2684 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 29.8180, 45.5611, 44.2684 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

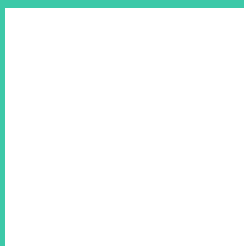
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8180, 45.5611, 44.2684

Background



This preview shows how black text looks on a background with the XYZ color 29.8180, 45.5611, 44.2684.



This preview shows how white text looks on a background with the XYZ color 29.8180, 45.5611,

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

29.8180, 45.5611, 44.2684

Protanopia

42.4147, 44.8059, 37.8654

Deuteranopia

45.6095, 44.8134, 46.2904



Tritanopia

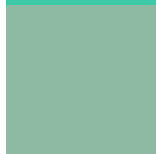
34.6663, 45.4827, 68.5799

Trichromacy



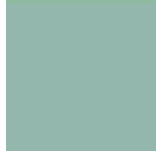
Original Color

29.8180, 45.5611, 44.2684



Protanomaly

34.8886, 43.3186, 39.7802



Deuteranomaly

36.4125, 43.0486, 45.4198



Tritanomaly

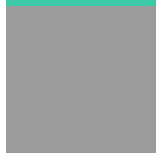
32.5642, 45.2891, 58.6551

Monochromacy



Original Color

29.8180, 45.5611, 44.2684



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

28.8434, 36.0362, 38.6932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8180, 45.5611, 44.2684 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(60, 201, 168)` looks like.

```
.text, #text, p{  
    color:rgb(60, 201, 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(60, 201, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 201, 168) }
```

Border

The CSS property to change the border of an element to XYZ 29.8180, 45.5611, 44.2684 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(60, 201, 168) }
```


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

```
.border{ border-color:rgb(60, 201, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 201, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 201, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 201, 168);  
box-shadow:4px 4px 4px 4px rgb(60, 201,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8180, 45.5611, 44.2684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 201, 168) }
```

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

```
.background{ background-color: rgb(60, 201,  
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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