

Converting Colors

XYZ(29.6187, 44.2829, 51.7384)

Have a look what the booklet for
XYZ(29.6187, 44.2829, 51.7384)
contains.

XYZ(29.6164, 44.2582, 51.7815)	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(29.6164, 44.2582,
51.7815)**

Conversions

Conversions Part 1

Format	Color
Hex	28C6B7
RGB	40, 198, 183
RGB Percent	16%, 78%, 72%
CMY	0.8431, 0.2235, 0.2823
CMYK	0.80, 0.00, 0.08, 0.22
HSL	174°, 66%, 47%
HSV	174°, 80%, 78%
XYZ	29.6164, 44.2582, 51.7815
YIQ	149.0480, -89.3530, -38.1610

Conversions

Conversions Part 2

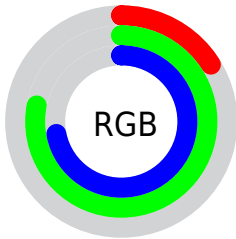
Format	Color
RYB	40, 123, 198
Decimal	2672311
CIELab	72.40, -42.06, -3.70
CIELCh	72, 42.225, 185.022
Yxy	44.2582, 0.2357, 0.3522
Android (android.graphics.Color)	4280862391 (0xFF28C6B7)
YUV	149.0480, 16.7383, -95.6351
Hunter-Lab	66.5268, -36.9574, 0.4201

Details

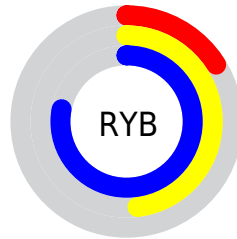
The XYZ color **29.6164, 44.2582, 51.7815** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **24.7386, 13.8005, 4.9759**, and the grayscale version is **28.5479, 30.0346, 32.7077**.

A 20% lighter version of the original color is **58.2794, 81.3294, 94.2879**, and **13.8517, 21.2566, 24.4920** is the 20% darker color. If you saturate the color by 10%, you get **28.8405, 43.8817, 50.7314**, and if you desaturate by 10%, it is **30.7914, 44.8422, 52.8659**.

Distribution



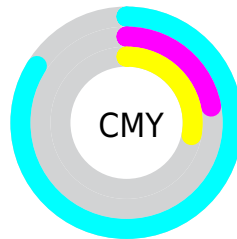
- Red (16%)
- Green (78%)
- Blue (72%)



- Red (16%)
- Yellow (48%)
- Blue (78%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (22%)





- Cyan (84%)
- Magenta (22%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6164, 44.2582, 51.7815 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 29.6164, 44.2582, 51.7815 by changing the saturation by 10% instead.


 29.6164, 44.2582,
51.7815


 29.6164, 44.2582,
51.7815


292.0543,
363.7609, 410.5254


 19.6942, 30.8735,
36.4499


 58.4458, 81.6061,
94.2322


 12.2799, 20.5026,
24.4894


 78.0838, 106.3382,
122.1884


 7.0082, 12.7609,
15.4815


 101.6910,
135.6215, 155.1899

 3.5136, 7.2641,
9.0077

 129.6329,
169.8405, 193.6552

 1.4308, 3.6278,
4.6493

 162.2749,
209.3795, 238.0029

 0.2780, 1.4676,
1.9879

199.9822,

 0.0000, 0.2658,

254.6230, 288.6514

0.5478

243.1202,
305.9553, 346.0194

■ 0.0000, 0.0000,
0.0000

■ 29.6164, 44.2582,
51.7815

■ 29.6164, 44.2582,
51.7815

■ 28.8405, 43.8817,
50.7314

■ 30.7914, 44.8422,
52.8659

■ 28.3611, 43.6567,
49.7077

■ 32.4145, 45.6559,
53.9841

■ 28.3520, 43.6525,
49.6867

■ 34.5320, 46.7241,
55.1391

■ 37.1831, 48.0671,
56.3329

■ 40.4034, 49.7033,
57.5671

■ 44.2251, 51.6491,
58.8435

■ 48.6782, 53.9202,
60.1633

■ 53.7906, 56.5308,
61.5280

■ 59.5885, 59.4945,
62.9388

Harmonies

Analogous

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



30.6202, 44.2582, 33.1788



29.6164, 44.2582, 51.7815



31.6215, 44.2582, 75.0227

Triad

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



29.6164, 44.2582, 51.7815



50.6130, 44.2582, 88.9925



48.2520, 44.2582, 20.2386

Complementary

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



29.6164, 44.2582, 51.7815



24.7386, 13.8005, 4.9759

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.



54.5893, 44.2582, 28.6654



29.6164, 44.2582, 51.7815



56.0588, 44.2582, 67.1574

Square

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



29.6164, 44.2582, 51.7815



43.3022, 44.2582, 100.1102



57.5914, 44.2582, 44.7679



40.8537, 44.2582, 18.2902

Rectangle

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



29.6164, 44.2582, 51.7815



34.5478, 44.2582, 89.0193



57.5914, 44.2582, 44.7679



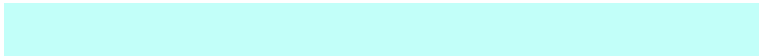
50.6030, 44.2582, 22.2586

Sweetspot

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



29.6177, 44.2599, 51.7826



75.0852, 89.8142, 103.1556



22.1983, 41.3782, 8.8253



15.5592, 18.9633, 21.9054



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.



29.6177, 44.2599, 51.7826



50.4185, 77.3981, 88.4442



19.7059, 21.8026, 56.5977



10.9016, 12.0495, 13.4321



18.4546, 28.3942, 32.4022



0.8868, 1.3496, 1.6025

Inverse Universe

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



24.7386, 13.8005, 4.9759



41.6315, 21.5937, 3.4455



28.5437, 21.9014, 4.7314



10.6741, 10.6530, 11.2671



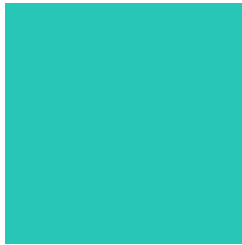
15.2350, 7.8436, 1.1817



0.7357, 0.3771, 0.1314

Previews

White Background



This preview shows how the XYZ color 29.6164, 44.2582, 51.7815 looks on a white background.

Color Contrast Check

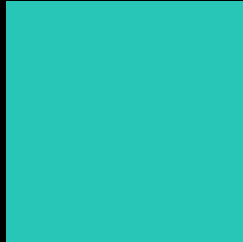
Large Text (above 18pt) WCAG AA × Fail

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 29.6164, 44.2582, 51.7815 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

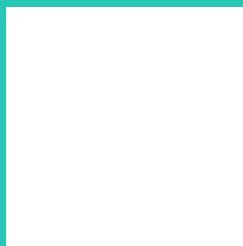
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6164, 44.2582, 51.7815

Background



This preview shows how black text looks on a background with the XYZ color 29.6164, 44.2582, 51.7815.

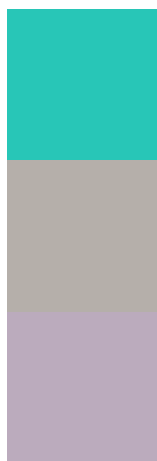


This preview shows how white text looks on a background with the XYZ color 29.6164, 44.2582,

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

29.6164, 44.2582, 51.7815

Protanopia

41.6417, 43.3860, 44.2098

Deuteranopia

44.2417, 43.3647, 54.1826



Tritanopia

32.7881, 44.1974, 67.7756

Trichromacy



Original Color

29.6164, 44.2582, 51.7815



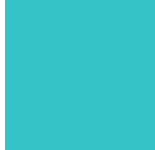
Protanomaly

33.8773, 41.7079, 46.8224



Deuteranomaly

35.3250, 41.7039, 53.2015



Tritanomaly

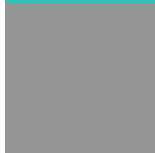
31.4086, 43.9572, 61.4728

Monochromacy



Original Color

29.6164, 44.2582, 51.7815



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

26.5584, 33.4619, 38.7772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6164, 44.2582, 51.7815 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(40, 198, 183)` looks like.

```
.text, #text, p{  
    color:rgb(40, 198, 183)  
}
```

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(40, 198, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 198, 183) }
```

Border

The CSS property to change the border of an element to XYZ 29.6164, 44.2582, 51.7815 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(40, 198, 183) }
```


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

```
.border{ border-color:rgb(40, 198, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 198, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 198, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 198, 183);  
box-shadow:4px 4px 4px 4px rgb(40, 198,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6164, 44.2582, 51.7815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 198, 183) }
```

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

```
.background{ background-color: rgb(40, 198,  
183) }
```

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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