

Converting Colors

XYZ(15.2301, 21.8151, 29.3777)

Have a look what the booklet for
XYZ(15.2301, 21.8151, 29.3777)
contains.

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Color

**XYZ(15.2593, 21.8750,
29.4046)**

Conversions

Conversions Part 1

Format	Color
Hex	1C8F8F
RGB	28, 143, 143
RGB Percent	11%, 56%, 56%
CMY	0.8902, 0.4392, 0.4392
CMYK	0.80, 0.00, 0.00, 0.44
HSL	180°, 67%, 34%
HSV	180°, 80%, 56%
XYZ	15.2593, 21.8750, 29.4046
YIQ	108.6150, -68.5400, -24.3800

Conversions

Conversions Part 2

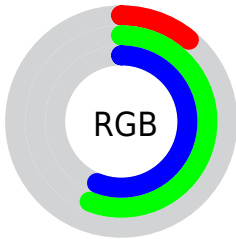
Format	Color
R_{YB}	28, 86, 143
Decimal	1871759
CIE _{Lab}	53.89, -29.52, -8.77
CIE _{LCh}	54, 30.793, 196.543
Yxy	21.8750, 0.2293, 0.3288
Android (android.graphics.Color)	4280061839 (0xFF1C8F8F)
YUV	108.6150, 16.9518, -70.6994
Hunter-Lab	46.7707, -23.6118, -4.5359

Details

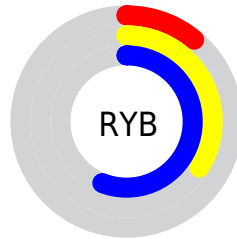
The XYZ color **15.2593, 21.8750, 29.4046** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.9533, 6.7547, 1.7731**, and the grayscale version is **14.3955, 15.1452, 16.4931**.

A 20% lighter version of the original color is **34.8682, 46.4505, 59.9514**, and **5.8029, 8.4446, 11.6801** is the 20% darker color. If you saturate the color by 10%, you get **14.9574, 21.7199, 29.3909**, and if you desaturate by 10%, it is **15.7484, 22.1276, 29.4281**.

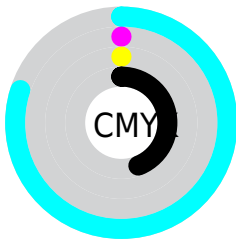
Distribution



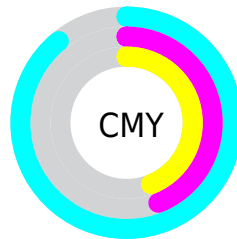
- Red (11%)
- Green (56%)
- Blue (56%)



- Red (11%)
- Yellow (34%)
- Blue (56%)



- Cyan (80%)
- Magenta (0%)
- Yellow (0%)
- Black (44%)



- Cyan (89%)
- Magenta (44%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2593, 21.8750, 29.4046 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 15.2593, 21.8750, 29.4046 by changing the saturation by 10% instead.

■ 15.2593, 21.8750,
29.4046

■ 15.2593, 21.8750,
29.4046

■ 218.2878,
261.8928, 313.2397

■ 9.0891, 13.7651,
19.1389

■ 34.8754, 46.5393,
59.7691

■ 4.8569, 7.9575,
11.5929

■ 49.0519, 63.8625,
80.7051

■ 2.1974, 4.0677,
6.3479

■ 66.6279, 85.0256,
106.0348

■ 0.7414, 1.7115,
2.9856

■ 87.9688, 110.4129,
136.1769

■ 0.0000, 0.4311,
1.0873

■ 113.4399,
140.4089, 171.5499

■ 0.0000, 0.0000,
0.0000

■ 143.4065,

175.3979, 212.5723

178.2340,
215.7644, 259.6627

■ 15.2593, 21.8750,
29.4046

■ 15.2593, 21.8750,
29.4046

■ 14.9574, 21.7199,
29.3909

■ 15.7484, 22.1276,
29.4281

■ 14.7808, 21.6288,
29.3826

■ 16.4460, 22.4873,
29.4608

■ 17.3728, 22.9650,
29.5042

■ 18.5464, 23.5700,
29.5592

■ 19.9825, 24.3104,
29.6265

■ 21.6958, 25.1936,
29.7067

■ 23.6998, 26.2267,
29.8006

■ 26.0071, 27.4161,
29.9086

■ 28.6295, 28.7680,
30.0314

Harmonies

Analogous

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



15.1871, 21.8750, 19.8169



15.2593, 21.8750, 29.4046



16.7076, 21.8750, 39.6824

Triad

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



15.2593, 21.8750, 29.4046



25.7713, 21.8750, 38.7130



22.3107, 21.8750, 10.1082

Complementary

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



15.2593, 21.8750, 29.4046



11.9533, 6.7547, 1.7731

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.



25.4921, 21.8750, 12.8707



15.2593, 21.8750, 29.4046



27.6287, 21.8750, 28.3248

Square

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



15.2593, 21.8750, 29.4046



22.6602, 21.8750, 45.9584



27.5214, 21.8750, 18.9883



19.0285, 21.8750, 10.2526

Rectangle

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



15.2593, 21.8750, 29.4046



18.3556, 21.8750, 44.8011



27.5214, 21.8750, 18.9883



23.4339, 21.8750, 10.6879

Sweetspot

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



15.2600, 21.8758, 29.4051



37.5346, 44.4369, 53.1366



10.5658, 20.0044, 4.4036



8.3840, 10.0751, 12.1749



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.2600, 21.8758, 29.4051



26.5624, 38.7806, 52.6223



8.8798, 9.1153, 27.2789



5.5603, 6.1163, 6.9163



13.0685, 19.1233, 25.9789



0.1249, 0.1828, 0.2484

Inverse Universe

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



11.9533, 6.7547, 1.7731



20.4078, 10.6359, 1.1912



14.6764, 12.2009, 2.6807



5.4089, 5.4241, 5.6513



10.0158, 5.1634, 0.4688



0.0958, 0.0494, 0.0045

Previews

White Background



This preview shows how the XYZ color 15.2593, 21.8750, 29.4046 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 15.2593, 21.8750, 29.4046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

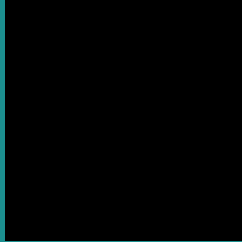
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.2593, 21.8750, 29.4046

Background



This preview shows how black text looks on a background with the XYZ color 15.2593, 21.8750, 29.4046.

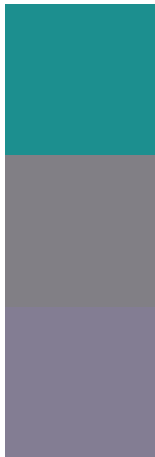


This preview shows how white text looks on a background with the XYZ color 15.2593, 21.8750,

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

15.2593, 21.8750, 29.4046

Protanopia

20.8763, 21.5393, 25.2475

Deuteranopia

21.9601, 21.5991, 30.6154



Tritanopia

16.0376, 21.7430, 33.4885

Trichromacy



Original Color

15.2593, 21.8750, 29.4046

Protanomaly

17.3165, 20.8565, 26.7799

Deuteranomaly

18.0557, 20.9575, 30.2877

Tritanomaly

15.7575, 21.8560, 31.8219

Monochromacy



Original Color

15.2593, 21.8750, 29.4046

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.5968, 16.7607, 20.6077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2593, 21.8750, 29.4046 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(28, 143, 143)` looks like.

```
.text, #text, p{  
    color:rgb(28, 143, 143)  
}
```

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(28, 143, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 143, 143) }
```

Border

The CSS property to change the border of an element to XYZ 15.2593, 21.8750, 29.4046 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(28, 143, 143) }
```


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

```
.border{ border-color:rgb(28, 143, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 143, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 143, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 143, 143);  
box-shadow:4px 4px 4px 4px rgb(28, 143,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2593, 21.8750, 29.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 143, 143) }
```

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

```
.background{ background-color: rgb(28, 143,  
143) }
```

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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