

Converting Colors

XYZ(41.8884, 58.1779, 90.6831)

Have a look what the booklet for
XYZ(41.8884, 58.1779, 90.6831)
contains.

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Color

**XYZ(41.8884, 58.1779,
90.6831)**

Conversions

Conversions Part 1

Format	Color
Hex	1BDDEF
RGB	27, 221, 239
RGB Percent	11%, 87%, 94%
CMY	0.8940, 0.1333, 0.0627
CMYK	0.89, 0.08, 0.00, 0.06
HSL	185°, 87%, 52%
HSV	185°, 89%, 94%
XYZ	41.8884, 58.1779, 90.6831
YIQ	165.0460, -121.4020, -35.5300

Conversions

Conversions Part 2

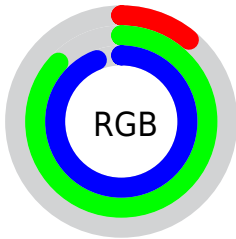
Format	Color
R_{YB}	27, 128, 239
Decimal	1826287
CIE Lab	80.84, -36.90, -21.21
CIE LCh	81, 42.564, 209.887
Yxy	58.1779, 0.2196, 0.3050
Android (android.graphics.Color)	4280016367 (0xFF1BDDEF)
YUV	165.0460, 36.4593, -121.0663
Hunter-Lab	76.2744, -35.4516, -17.0981

Details

The XYZ color **41.8884, 58.1779, 90.6831** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **36.7347, 20.3091, 3.0226**, and the grayscale version is **35.6635, 37.5208, 40.8601**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **22.0024, 30.3292, 49.4942** is the 20% darker color. If you saturate the color by 10%, you get **40.9440, 56.9016, 90.4876**, and if you desaturate by 10%, it is **43.3382, 59.7267, 90.9067**.

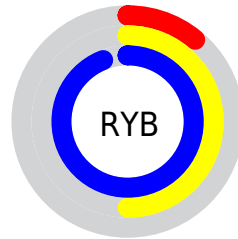
Distribution



Red (11%)

Green (87%)

Blue (94%)



Red (11%)

Yellow (50%)

Blue (94%)

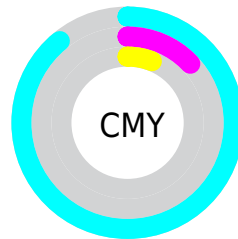


Cyan (89%)

Magenta (8%)

Yellow (0%)

Black (6%)



Cyan (89%)


Magenta (13%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8884, 58.1779, 90.6831 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 41.8884, 58.1779, 90.6831 by changing the saturation by 10% instead.


 41.8884, 58.1779,
90.6831

 41.8884, 58.1779,
90.6831


345.0196,
417.8485, 550.8778


 29.2046, 41.9517,
67.9704


 77.2969, 102.1819,
150.2307


 19.3807, 29.0635,
49.4071


 100.7524,
130.7284, 187.9027


 12.0514, 19.1288,
34.5747


 128.5291,
164.1506, 231.3982

 6.8511, 11.7634,
23.0545

 160.9925,
202.8326, 281.1358

 3.4147, 6.5828,
14.4281

 198.5079,
247.1591, 337.5341

 1.3766, 3.2026,
8.2769

241.4407,

 0.2395, 1.2384,

297.5143, 401.0114

4.1823

290.1561,
354.2826, 471.9865

■ 0.0000, 0.0927,
1.7259

■ 0.0000, 0.0000,
0.3784

■ 41.8884, 58.1779,
90.6831

■ 41.8884, 58.1779,
90.6831

■ 40.9440, 56.9016,
90.4876

■ 43.3382, 59.7267,
90.9067

■ 40.8356, 56.7429,
90.4627

■ 45.4105, 61.6049,
91.1601

■ 48.1903, 63.8576,
91.4483

■ 51.7484, 66.5211,
91.7749

■ 56.1466, 69.6275,
92.1427

■ 61.4406, 73.2055,
92.5543

■ 67.6813, 77.2813,
93.0121

■ 74.9157, 81.8792,
93.5183

■ 83.1878, 87.0220,
94.0750

Harmonies

Analogous

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



40.0466, 58.1779, 63.2507



41.8884, 58.1779, 90.6831



47.2363, 58.1779, 115.1753

Triad

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



41.8884, 58.1779, 90.6831



71.2583, 58.1779, 90.8928



55.3296, 58.1779, 26.2004

Complementary

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



41.8884, 58.1779, 90.6831



36.7347, 20.3091, 3.0226

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.



64.2248, 58.1779, 30.0001



41.8884, 58.1779, 90.6831



73.9961, 58.1779, 63.4411

Square

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



41.8884, 58.1779, 90.6831



64.1612, 58.1779, 115.3173



71.2976, 58.1779, 42.1419



47.2881, 58.1779, 29.9423

Rectangle

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



41.8884, 58.1779, 90.6831



52.3790, 58.1779, 124.0109



71.2976, 58.1779, 42.1419



58.3200, 58.1779, 26.6204

Sweetspot

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



41.8902, 58.1800, 90.6845



72.2595, 85.5245, 107.3071



31.7875, 62.1544, 12.7734



14.9781, 17.9815, 22.9313



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.



41.8902, 58.1800, 90.6845



47.2876, 65.6951, 104.7959



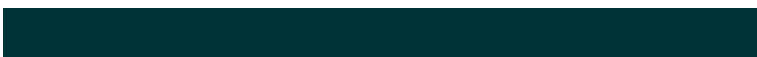
22.2038, 18.8072, 84.1224



16.1259, 17.6859, 20.2854



22.6144, 31.4531, 50.0070



1.9148, 2.6837, 4.1713

Inverse Universe

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



49.0413, 24.3568, 70.5253



55.9978, 27.1631, 79.6434



46.8104, 40.4605, 6.3812



16.3930, 16.0069, 19.6257



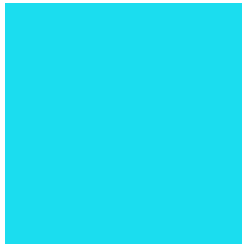
26.7403, 12.9686, 38.1448



2.2415, 1.0856, 3.2624

Previews

White Background



This preview shows how the XYZ color 41.8884, 58.1779, 90.6831 looks on a white background.

Color Contrast Check

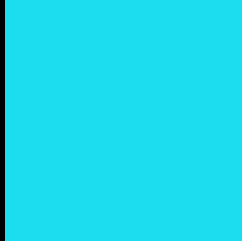
Large Text (above 18pt) WCAG AA × Fail

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 41.8884, 58.1779, 90.6831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

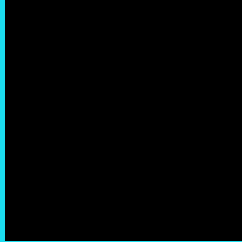
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8884, 58.1779, 90.6831

Background



This preview shows how black text looks on a background with the XYZ color 41.8884, 58.1779, 90.6831.

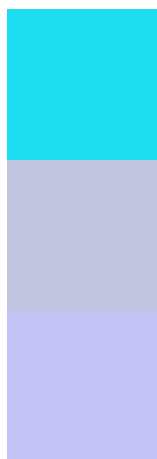


This preview shows how white text looks on a background with the XYZ color 41.8884, 58.1779,

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

41.8884, 58.1779, 90.6831

Protanopia

55.9265, 56.9164, 78.5593

Deuteranopia

58.5022, 57.2249, 94.3483



Tritanopia

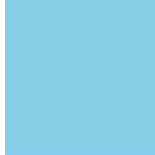
41.8884, 58.1779, 90.6831

Trichromacy



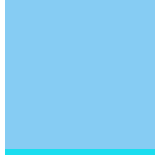
Original Color

41.8884, 58.1779, 90.6831



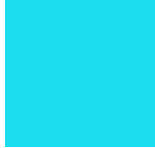
Protanomaly

46.0457, 54.8681, 82.2925



Deuteranomaly

47.6020, 54.7251, 92.8481



Tritanomaly

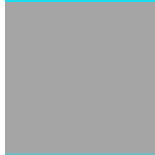
41.8884, 58.1779, 90.6831

Monochromacy



Original Color

41.8884, 58.1779, 90.6831



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.9336, 42.1485, 56.2162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8884, 58.1779, 90.6831 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(27, 221, 239)` looks like.

```
.text, #text, p{  
    color:rgb(27, 221, 239)  
}
```

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(27, 221, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 221, 239) }
```

Border

The CSS property to change the border of an element to XYZ 41.8884, 58.1779, 90.6831 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(27, 221, 239) }
```


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

```
.border{ border-color:rgb(27, 221, 239) }
```

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

Here you see how a box with a 4 pixel rgb(27, 221, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 221, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 221, 239);  
box-shadow:4px 4px 4px 4px rgb(27, 221,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8884, 58.1779, 90.6831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 221, 239) }
```

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

```
.background{ background-color: rgb(27, 221,  
239) }
```

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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