

Converting Colors

XYZ(41.7992, 60.3351, 81.3901)

Have a look what the booklet for
XYZ(41.7992, 60.3351, 81.3901)
contains.

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Color

**XYZ(41.7989, 60.3348,
81.3943)**

Conversions

Conversions Part 1

Format	Color
Hex	28E2E2
RGB	40, 226, 226
RGB Percent	16%, 89%, 89%
CMY	0.8431, 0.1137, 0.1137
CMYK	0.82, 0.00, 0.00, 0.11
HSL	180°, 76%, 52%
HSV	180°, 82%, 89%
XYZ	41.7989, 60.3348, 81.3943
YIQ	170.3860, -110.8560, -39.4320

Conversions

Conversions Part 2

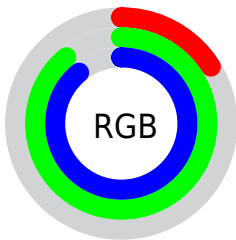
Format	Color
RYB	40, 133, 226
Decimal	2679522
CIELab	82.02, -42.27, -12.51
CIElCh	82, 44.083, 196.491
Yxy	60.3348, 0.2278, 0.3287
Android (android.graphics.Color)	4280869602 (0xFF28E2E2)
YUV	170.3860, 27.4177, -114.3485
Hunter-Lab	77.6755, -39.8773, -7.7558

Details

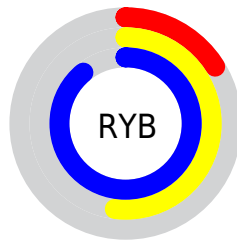
The XYZ color **41.7989, 60.3348, 81.3943** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.5078, 17.8415, 3.7397**, and the grayscale version is **38.3116, 40.3068, 43.8941**.

A 20% lighter version of the original color is **61.9784, 82.9510, 107.3523**, and **21.7254, 31.6897, 43.4998** is the 20% darker color. If you saturate the color by 10%, you get **41.1636, 60.0086, 81.3658**, and if you desaturate by 10%, it is **42.9506, 60.9298, 81.4497**.

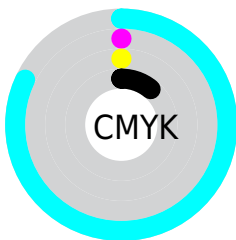
Distribution



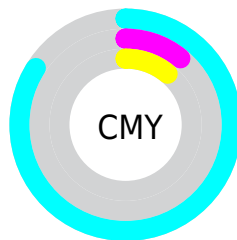
- Red (16%)
- Green (89%)
- Blue (89%)



- Red (16%)
- Yellow (52%)
- Blue (89%)



- Cyan (82%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)





- Cyan (84%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7989, 60.3348, 81.3943 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 41.7989, 60.3348, 81.3943 by changing the saturation by 10% instead.


 41.7989, 60.3348,
81.3943


 41.7989, 60.3348,
81.3943


344.6545,
425.8307, 519.4495


 29.1343, 43.6885,
60.3335


 77.1623, 105.3152,
137.1533

 19.3272, 30.4257,
43.2604


 100.5917,
134.4181, 172.6886


 12.0124, 20.1620,
29.7566

 128.3401,
168.4420, 213.8858

 6.8244, 12.5128,
19.4034

 160.7729,
207.7714, 261.1635

 3.3978, 7.0939,
11.7824

 198.2553,
252.7905, 314.9402

 1.3675, 3.5209,
6.4749

241.1529,

 0.2329, 1.4094,

303.8839, 375.6344

3.0625

289.8308,
361.4358, 443.6647

■ 0.0000, 0.2236,
1.1267

■ 0.0000, 0.0000,
0.0000

■ 41.7989, 60.3348,
81.3943

■ 41.7989, 60.3348,
81.3943

■ 41.1636, 60.0086,
81.3658

■ 42.9506, 60.9298,
81.4497

■ 40.9249, 59.8855,
81.3545

■ 44.6912, 61.8272,
81.5313

■ 47.0874, 63.0624,
81.6436

■ 50.1955, 64.6647,
81.7892

■ 54.0658, 66.6599,
81.9705

■ 58.7439, 69.0716,
82.1895

■ 64.2721, 71.9215,
82.4484

■ 70.6896, 75.2298,
82.7489

■ 78.0330, 79.0154,
83.0927

Harmonies

Analogous

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



41.6034, 60.3348, 54.4019



41.7989, 60.3348, 81.3943



45.8545, 60.3348, 110.4777

Triad

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



41.7989, 60.3348, 81.3943



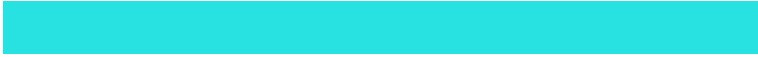
71.3752, 60.3348, 107.8248



61.6428, 60.3348, 27.3142

Complementary

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



41.7989, 60.3348, 81.3943



32.5078, 17.8415, 3.7397

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.



70.6139, 60.3348, 35.0184



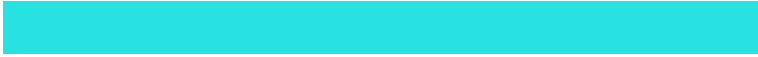
41.7989, 60.3348, 81.3943



76.6309, 60.3348, 78.4504

Square

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



41.7989, 60.3348, 81.3943



62.5942, 60.3348, 128.3459



76.3380, 60.3348, 52.1554



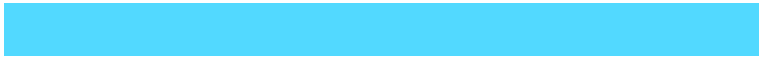
52.4005, 60.3348, 27.7016

Rectangle

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



41.7989, 60.3348, 81.3943



50.4799, 60.3348, 125.0112



76.3380, 60.3348, 52.1554



64.8090, 60.3348, 28.9298

Sweetspot

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



41.8007, 60.3370, 81.3958



75.3587, 89.8488, 107.9780



28.5818, 55.0640, 11.1311



15.6614, 18.9898, 23.0898



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.



41.8007, 60.3370, 81.3958



53.8416, 78.7563, 106.9696



23.4235, 23.5822, 75.2711



14.1166, 15.5724, 17.6494



23.3469, 34.1636, 46.4113



1.6183, 2.3680, 3.2170

Inverse Universe

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



32.5078, 17.8415, 3.7397



41.2817, 21.3209, 2.0129



39.7192, 32.2643, 6.1433



13.7073, 13.7006, 14.2288



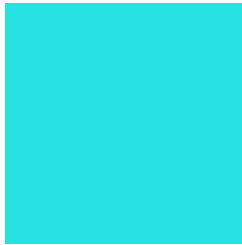
17.8932, 9.2243, 0.8374



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 41.7989, 60.3348, 81.3943 looks on a white background.

Color Contrast Check

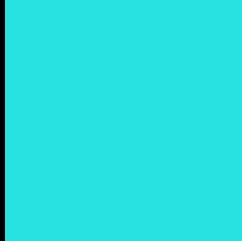
Large Text (above 18pt) WCAG AA × Fail

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 41.7989, 60.3348, 81.3943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

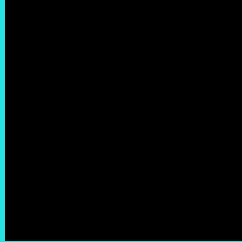
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

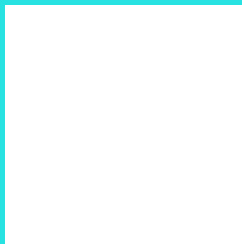
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.7989, 60.3348, 81.3943

Background



This preview shows how black text looks on a background with the XYZ color 41.7989, 60.3348, 81.3943.

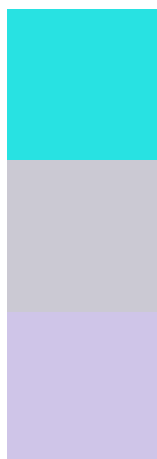


This preview shows how white text looks on a background with the XYZ color 41.7989, 60.3348,

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

41.7989, 60.3348, 81.3943

Protanopia

57.2731, 59.1729, 70.0309

Deuteranopia

60.2639, 59.0241, 84.5605



Tritanopia

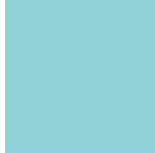
44.2582, 60.5343, 93.3560

Trichromacy



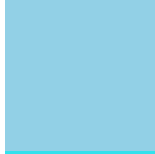
Original Color

41.7989, 60.3348, 81.3943



Protanomaly

46.9429, 56.9803, 73.4899



Deuteranomaly

48.6929, 56.9359, 83.2863



Tritanomaly

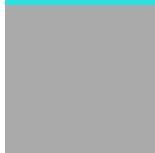
43.3809, 60.5847, 88.7645

Monochromacy



Original Color

41.7989, 60.3348, 81.3943



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.8761, 44.7556, 55.4630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7989, 60.3348, 81.3943 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, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(40, 226, 226)  
}
```

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, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 226, 226) }
```

Border

The CSS property to change the border of an element to XYZ 41.7989, 60.3348, 81.3943 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, 226, 226) }
```


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

```
.border{ border-color:rgb(40, 226, 226) }
```

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

Here you see how a box with a 4 pixel rgb(40, 226, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(40, 226,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7989, 60.3348, 81.3943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 226, 226) }
```

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

```
.background{ background-color: rgb(40, 226,  
226) }
```

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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