

Converting Colors

XYZ(41.4498, 59.5373, 80.1112)

Have a look what the booklet for
XYZ(41.4498, 59.5373, 80.1112)
contains.

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Color

**XYZ(41.2825, 59.2975,
79.7908)**

Conversions

Conversions Part 1

Format	Color
Hex	2FE0E0
RGB	47, 224, 224
RGB Percent	18%, 88%, 88%
CMY	0.8156, 0.1216, 0.1216
CMYK	0.79, 0.00, 0.00, 0.12
HSL	180°, 74%, 53%
HSV	180°, 79%, 88%
XYZ	41.2825, 59.2975, 79.7908
YIQ	171.0770, -105.4920, -37.5240

Conversions

Conversions Part 2

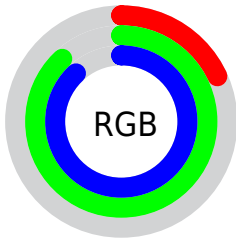
Format	Color
RYB	47, 136, 224
Decimal	3137760
CIELab	81.45, -41.41, -12.29
CIELCh	81, 43.192, 196.528
Yxy	59.2975, 0.2289, 0.3288
Android (android.graphics.Color)	4281327840 (0xFF2FE0E0)
YUV	171.0770, 26.0910, -108.8155
Hunter-Lab	77.0049, -39.0642, -7.5316

Details

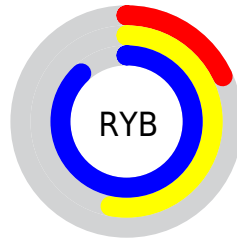
The XYZ color **41.2825, 59.2975, 79.7908** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.2720, 18.0874, 4.4814**, and the grayscale version is **38.6613, 40.6747, 44.2948**.

A 20% lighter version of the original color is **62.4142, 83.1756, 107.3727**, and **21.1641, 30.8698, 42.3791** is the 20% darker color. If you saturate the color by 10%, you get **40.5028, 58.8968, 79.7555**, and if you desaturate by 10%, it is **42.5952, 59.9755, 79.8537**.

Distribution



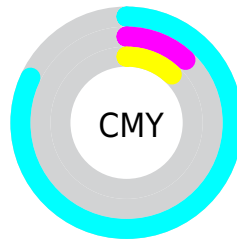
- Red (18%)
- Green (88%)
- Blue (88%)



- Red (18%)
- Yellow (53%)
- Blue (88%)



- Cyan (79%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)



- Cyan (82%)
- Magenta (12%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2825, 59.2975, 79.7908 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 41.2825, 59.2975, 79.7908 by changing the saturation by 10% instead.

41.2825, 59.2975,
79.7908

41.2825, 59.2975,
79.7908

342.5424,
422.0035, 513.9157

28.7285, 42.8527,
59.0211

76.3846, 103.8099,
134.8803

19.0188, 29.7695,
42.2100

99.6634, 132.6463,
170.0372

11.7880, 19.6637,
28.9389

127.2478,
166.3820, 210.8268

6.6706, 12.1508,
18.7894

159.5033,
205.4013, 257.6678

3.3015, 6.8465,
11.3430

196.7951,
250.0887, 310.9786

1.3151, 3.3663,
6.1809

239.4887,

0.1945, 1.3258,

300.8287, 371.1778

2.8849

287.9493,
358.0055, 438.6840

■ 0.0000, 0.1611,
1.0361

■ 0.0000, 0.0000,
0.0000

■ 41.2825, 59.2975,
79.7908

■ 41.2825, 59.2975,
79.7908

■ 40.5028, 58.8968,
79.7555

■ 42.5952, 59.9755,
79.8537


■ 40.1390, 58.7093,
79.7383


■ 44.5066, 60.9609,
79.9433


■ 40.1113, 58.6950,
79.7370


■ 47.0790, 62.2870,
80.0639


■ 50.3652, 63.9811,
80.2178

 54.4128, 66.0677,
80.4074

 59.2655, 68.5693,
80.6347

 64.9633, 71.5067,
80.9015

 71.5439, 74.8991,
81.2096

 79.0424, 78.7647,
81.5607

Harmonies

Analogous

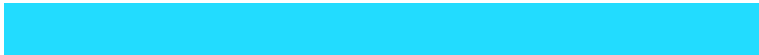
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.0878, 59.2975, 53.6463



41.2825, 59.2975, 79.7908



45.2257, 59.2975, 107.8582

Triad

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



41.2825, 59.2975, 79.7908



69.9421, 59.2975, 105.2357



60.5084, 59.2975, 27.2402

Complementary

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



41.2825, 59.2975, 79.7908



32.2720, 18.0874, 4.4814

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.



69.1876, 59.2975, 34.7529



41.2825, 59.2975, 79.7908



75.0144, 59.2975, 76.8727

Square

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



41.2825, 59.2975, 79.7908



61.4525, 59.2975, 125.0270



74.7243, 59.2975, 51.4107



51.5578, 59.2975, 27.6288

Rectangle

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



41.2825, 59.2975, 79.7908



49.7157, 59.2975, 121.8501



74.7243, 59.2975, 51.4107



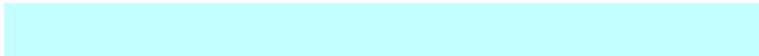
63.5724, 59.2975, 28.8166

Sweetspot

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



41.2843, 59.2997, 79.7922



76.0067, 90.1828, 108.0083



28.4836, 54.1957, 11.6505



15.7852, 19.0537, 23.0956



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.



41.2843, 59.2997, 79.7922



53.9719, 78.8235, 106.9755



23.7824, 24.2956, 73.9595



14.1166, 15.5724, 17.6494



23.3469, 34.1636, 46.4112



1.6183, 2.3680, 3.2170

Inverse Universe

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



32.2720, 18.0874, 4.4814



41.4518, 21.5699, 2.3511



39.5822, 32.7078, 6.9179



13.7073, 13.7006, 14.2288



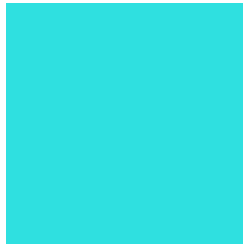
17.8932, 9.2243, 0.8374



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 41.2825, 59.2975, 79.7908 looks on a white background.

Color Contrast Check

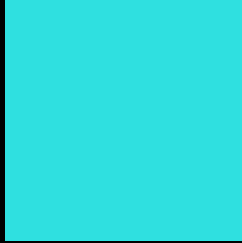
Large Text (above 18pt) WCAG AA × Fail

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 41.2825, 59.2975, 79.7908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

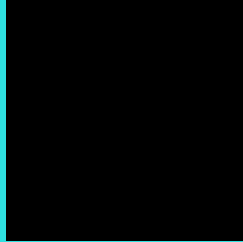
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

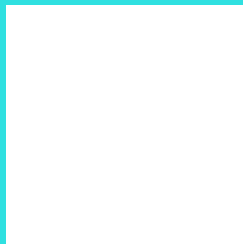
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2825, 59.2975, 79.7908

Background



This preview shows how black text looks on a background with the XYZ color 41.2825, 59.2975, 79.7908.

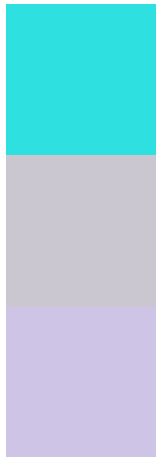


This preview shows how white text looks on a background with the XYZ color 41.2825, 59.2975,

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

41.2825, 59.2975, 79.7908

Protanopia

56.2892, 58.0069, 68.5513

Deuteranopia

59.4765, 58.3148, 82.9841



Tritanopia

43.7129, 59.4945, 91.6177

Trichromacy



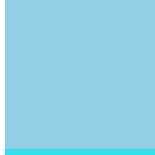
Original Color

41.2825, 59.2975, 79.7908



Protanomaly

46.5475, 56.0778, 71.9891



Deuteranomaly

48.2876, 56.0399, 81.6706



Tritanomaly

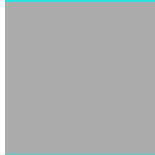
42.8145, 59.5281, 87.0754

Monochromacy



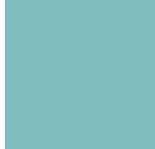
Original Color

41.2825, 59.2975, 79.7908



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.3119, 44.9802, 55.4834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2825, 59.2975, 79.7908 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(47, 224, 224)` looks like.

```
.text, #text, p{  
    color:rgb(47, 224, 224)  
}
```

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(47, 224, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 224, 224) }
```

Border

The CSS property to change the border of an element to XYZ 41.2825, 59.2975, 79.7908 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(47, 224, 224) }
```


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

```
.border{ border-color:rgb(47, 224, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 224, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 224, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 224, 224);  
box-shadow:4px 4px 4px 4px rgb(47, 224,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2825, 59.2975, 79.7908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 224, 224) }
```

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

```
.background{ background-color: rgb(47, 224,  
224) }
```

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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