

Converting Colors

XYZ(40.1795, 56.1990, 87.3271)

Have a look what the booklet for
XYZ(40.1795, 56.1990, 87.3271)
contains.

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Color

**XYZ(40.1795, 56.1990,
87.3271)**

Conversions

Conversions Part 1

Format	Color
Hex	09DAEB
RGB	9, 218, 235
RGB Percent	4%, 85%, 92%
CMY	0.9644, 0.1451, 0.0784
CMYK	0.96, 0.07, 0.00, 0.08
HSL	185°, 93%, 48%
HSV	185°, 96%, 92%
XYZ	40.1795, 56.1990, 87.3271
YIQ	157.4470, -130.0210, -39.0210

Conversions

Conversions Part 2

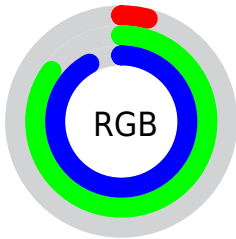
Format	Color
RYB	9, 118, 235
Decimal	645867
CIELab	79.73, -37.36, -20.77
CIELCh	80, 42.749, 209.075
Yxy	56.1990, 0.2187, 0.3059
Android (android.graphics.Color)	4278835947 (0xFF09DAEB)
YUV	157.4470, 38.2336, -130.1880
Hunter-Lab	74.9660, -35.5199, -16.5901

Details

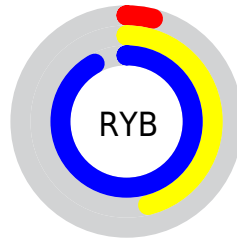
The XYZ color **40.1795, 56.1990, 87.3271** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **34.6820, 18.4241, 1.9887**, and the grayscale version is **32.1342, 33.8076, 36.8165**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **21.0570, 29.0953, 47.1540** is the 20% darker color. If you saturate the color by 10%, you get **39.8911, 55.7893, 87.2643**, and if you desaturate by 10%, it is **41.1422, 57.3808, 87.5055**.

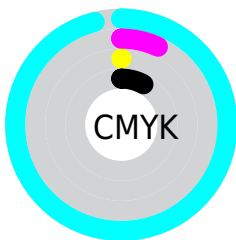
Distribution



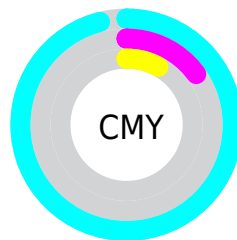
- Red (4%)
- Green (85%)
- Blue (92%)



- Red (4%)
- Yellow (46%)
- Blue (92%)



- Cyan (96%)
- Magenta (7%)
- Yellow (0%)
- Black (8%)



- Cyan (96%)
- Magenta (15%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1795, 56.1990, 87.3271 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 40.1795, 56.1990, 87.3271 by changing the saturation by 10% instead.

40.1795, 56.1990,
87.3271

40.1795, 56.1990,
87.3271

338.0010,
410.4410, 539.6412

27.8634, 40.3625,
65.2048

74.7194, 99.2955,
145.5229

18.3626, 27.8213,
47.1747

97.6738, 127.3242,
182.4334

11.3119, 18.1910,
32.8185

124.9051,
160.1859, 225.1103

6.3459, 11.0872,
21.7174

156.7785,
198.2648, 273.9723

3.0992, 6.1255,
13.4531

193.6595,
241.9454, 329.4379

1.2064, 2.9216,
7.6069

235.9133,

0.1114, 1.0909,

291.6120, 391.9255

3.7603

283.9054,
347.6491, 461.8538

■ 0.0000, 0.0000,
1.4948

■ 0.0000, 0.0000,
0.2140

■ 40.1795, 56.1990,
87.3271

■ 40.1795, 56.1990,
87.3271

■ 39.8911, 55.7893,
87.2643

■ 41.1422, 57.3808,
87.5055

■ 42.6294, 58.8390,
87.7086

■ 44.7375, 60.6247,
87.9422

■ 47.5428, 62.7771,
88.2098

■ 51.1104, 65.3299,
88.5145

■ 55.4982, 68.3128,
88.8590

■ 60.7582, 71.7528,
89.2457

■ 66.9383, 75.6745,
89.6770

■ 74.0828, 80.1008,
90.1548

Harmonies

Analogous

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



38.4756, 56.1990, 60.4264



40.1795, 56.1990, 87.3271



45.3294, 56.1990, 111.7133

Triad

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



40.1795, 56.1990, 87.3271



68.9608, 56.1990, 89.0240



53.6841, 56.1990, 24.8990

Complementary

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



40.1795, 56.1990, 87.3271



34.6820, 18.4241, 1.9887

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.



62.4101, 56.1990, 28.7945



40.1795, 56.1990, 87.3271



71.7946, 56.1990, 61.9623

Square

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



40.1795, 56.1990, 87.3271



61.8963, 56.1990, 112.8643



69.2792, 56.1990, 40.8717



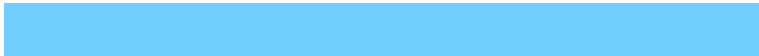
45.7470, 56.1990, 28.3324

Rectangle

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



40.1795, 56.1990, 87.3271



50.3302, 56.1990, 120.7566



69.2792, 56.1990, 40.8717



56.6243, 56.1990, 25.3718

Sweetspot

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



40.1813, 56.2010, 87.3285



71.1284, 85.0711, 107.2792



29.9885, 59.5425, 10.7837



14.6452, 17.8297, 22.9195



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.



40.1813, 56.2010, 87.3285



47.9920, 67.1040, 105.0307



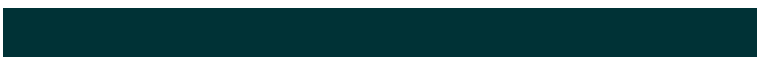
20.3641, 16.5666, 80.7227



15.4151, 16.9166, 19.3750



22.2429, 31.1328, 48.5799



1.7756, 2.5026, 3.8243

Inverse Universe

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



47.0151, 22.9214, 68.2779



56.3534, 27.3053, 81.5158



43.2707, 35.6014, 4.8516



15.6631, 15.2931, 18.7769



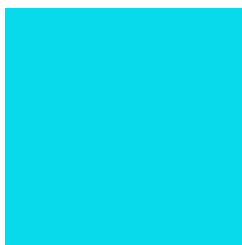
26.0825, 12.6357, 37.8313



2.0627, 0.9981, 3.0476

Previews

White Background



This preview shows how the XYZ color 40.1795, 56.1990, 87.3271 looks on a white background.

Color Contrast Check

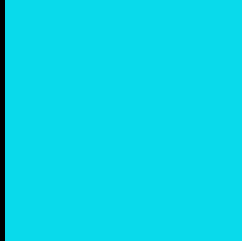
Large Text (above 18pt) WCAG AA × Fail

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 40.1795, 56.1990, 87.3271 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

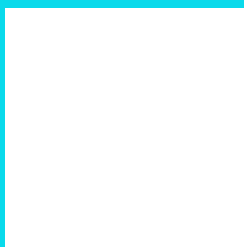
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.1795, 56.1990, 87.3271

Background



This preview shows how black text looks on a background with the XYZ color 40.1795, 56.1990, 87.3271.



This preview shows how white text looks on a background with the XYZ color 40.1795, 56.1990,

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

40.1795, 56.1990, 87.3271

Protanopia

54.1716, 55.4040, 75.5490

Deuteranopia

56.4650, 55.2566, 90.9087



Tritanopia

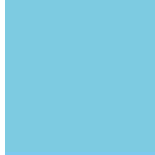
40.3777, 56.2845, 88.0927

Trichromacy



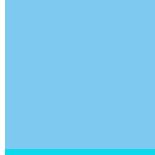
Original Color

40.1795, 56.1990, 87.3271



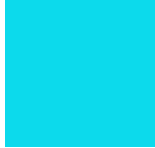
Protanomaly

43.4040, 52.5081, 79.0816



Deuteranomaly

44.9241, 52.3653, 89.4011



Tritanomaly

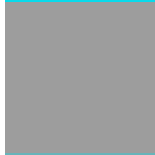
40.3633, 56.2771, 88.0921

Monochromacy



Original Color

40.1795, 56.1990, 87.3271



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

30.4706, 38.6265, 51.7486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1795, 56.1990, 87.3271 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(9, 218, 235)` looks like.

```
.text, #text, p{  
    color:rgb(9, 218, 235)  
}
```

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(9, 218, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 218, 235) }
```

Border

The CSS property to change the border of an element to XYZ 40.1795, 56.1990, 87.3271 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(9, 218, 235) }
```


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

```
.border{ border-color:rgb(9, 218, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 218, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 218, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 218, 235);  
box-shadow:4px 4px 4px 4px rgb(9, 218,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1795, 56.1990, 87.3271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 218, 235) }
```

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

```
.background{ background-color: rgb(9, 218,  
235) }
```

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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