

Converting Colors

XYZ(40.6054, 56.7179, 89.0432)

Have a look what the booklet for
XYZ(40.6054, 56.7179, 89.0432)
contains.

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Color

**XYZ(40.6176, 56.7775,
88.9391)**

Conversions

Conversions Part 1

Format	Color
Hex	00DBED
RGB	0, 219, 237
RGB Percent	0%, 86%, 93%
CMY	0.9997, 0.1412, 0.0706
CMYK	1.00, 0.08, 0.00, 0.07
HSL	185°, 100%, 46%
HSV	185°, 100%, 93%
XYZ	40.6176, 56.7775, 88.9391
YIQ	155.5710, -136.3020, -40.8300

Conversions

Conversions Part 2

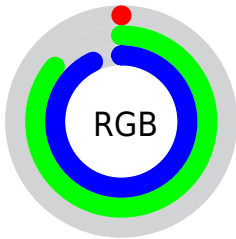
Format	Color
RYB	0, 114, 237
Decimal	56301
CIELab	80.05, -37.41, -21.35
CIELCh	80, 43.075, 209.706
Yxy	56.7775, 0.2180, 0.3047
Android (android.graphics.Color)	4278246381 (0xFF00DBED)
YUV	155.5710, 40.1445, -136.4358
Hunter-Lab	75.3508, -35.6442, -17.2364

Details

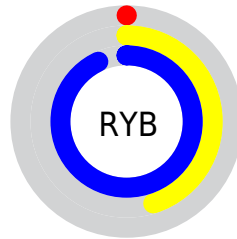
The XYZ color **40.6176, 56.7775, 88.9391** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **35.1432, 18.4396, 1.7088**, and the grayscale version is **31.2889, 32.9183, 35.8481**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **21.4377, 29.5306, 48.2861** is the 20% darker color. If you saturate the color by 10%, you get **40.6173, 56.7765, 88.9400**, and if you desaturate by 10%, it is **41.4620, 57.9150, 89.1152**.

Distribution



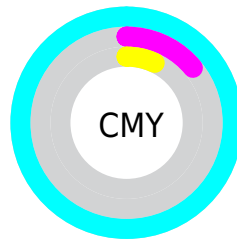
- Red (0%)
- Green (86%)
- Blue (93%)



- Red (0%)
- Yellow (45%)
- Blue (93%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (14%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6176, 56.7775, 88.9391 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 40.6176, 56.7775, 88.9391 by changing the saturation by 10% instead.

40.6176, 56.7775,
88.9391

40.6176, 56.7775,
88.9391

339.8098,
412.6150, 545.0545

28.2068, 40.8266,
66.5323

75.3814, 100.1405,
147.7865

18.6228, 28.1836,
48.2455

98.4651, 128.3213,
185.0642

11.5004, 18.4641,
33.6599

125.8372,
161.3477, 228.1359

6.4743, 11.2837,
22.3572

157.8629,
199.6039, 277.4203

3.1789, 6.2580,
13.9188

194.9077,
243.4743, 333.3358

1.2491, 3.0026,
7.9261

237.3368,

0.1446, 1.1331,

293.3434, 396.3010

3.9606

285.5158,
349.5955, 466.7344

■ 0.0000, 0.0060,
1.6038

■ 0.0000, 0.0000,
0.2935

■ 40.6176, 56.7775,
88.9391

■ 40.6176, 56.7775,
88.9391

■ 40.6173, 56.7765,
88.9400

■ 41.4620, 57.9150,
89.1152

■ 42.7621, 59.2938,
89.3129

■ 44.6614, 60.9891,
89.5400

■ 47.2436, 63.0442,
89.8005

■ 50.5793, 65.4952,
90.0978

■ 54.7299, 68.3740,
90.4347

■ 59.7507, 71.7091,
90.8139

■ 65.6922, 75.5265,
91.2375

■ 72.6007, 79.8502,
91.7080

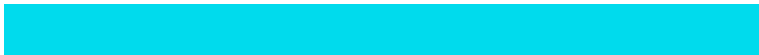
Harmonies

Analogous

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



38.8136, 56.7775, 61.5738



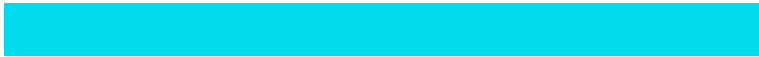
40.6176, 56.7775, 88.9391



45.9069, 56.7775, 113.5269

Triad

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



40.6176, 56.7775, 88.9391



69.8544, 56.7775, 89.4866



54.0518, 56.7775, 25.0418

Complementary

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



40.6176, 56.7775, 88.9391



35.1432, 18.4396, 1.7088

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.



62.9155, 56.7775, 28.8234



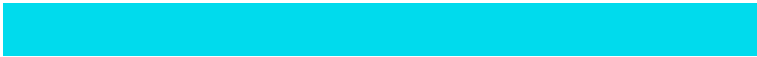
40.6176, 56.7775, 88.9391



72.6217, 56.7775, 62.0689

Square

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



40.6176, 56.7775, 88.9391



62.7498, 56.7775, 113.8986



69.9571, 56.7775, 40.8652



46.0415, 56.7775, 28.6748

Rectangle

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



40.6176, 56.7775, 88.9391



51.0110, 56.7775, 122.4654



69.9571, 56.7775, 40.8652



57.0315, 56.7775, 25.4689

Sweetspot

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



40.6194, 56.7796, 88.9405



70.4591, 84.6124, 107.2260



30.3779, 60.6066, 10.5820



14.5178, 17.7400, 22.9089



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.



40.6194, 56.7796, 88.9405



47.9389, 66.9978, 105.0130



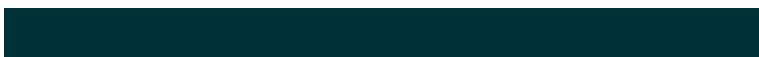
20.1113, 15.7633, 82.1044



15.4141, 16.9146, 19.3747



22.2188, 31.0846, 48.5718



1.7739, 2.4993, 3.8238

Inverse Universe

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



47.7128, 23.1208, 68.9680



56.3265, 27.2946, 81.3746



43.4965, 35.1462, 4.4933



15.6626, 15.2929, 18.7743



26.0703, 12.6308, 37.7672



2.0619, 0.9977, 3.0433

Previews

White Background



This preview shows how the XYZ color 40.6176, 56.7775, 88.9391 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 40.6176, 56.7775, 88.9391 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 40.6176, 56.7775, 88.9391

Background



This preview shows how black text looks on a background with the XYZ color 40.6176, 56.7775, 88.9391.



This preview shows how white text looks on a background with the XYZ color 40.6176, 56.7775,

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

40.6176, 56.7775, 88.9391

Protanopia

54.5586, 55.5881, 76.2606

Deuteranopia

57.2399, 55.9484, 92.5763



Tritanopia

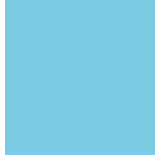
40.6176, 56.7775, 88.9391

Trichromacy



Original Color

40.6176, 56.7775, 88.9391



Protanomaly

43.6264, 52.9427, 80.5927



Deuteranomaly

45.1661, 52.8029, 91.0306



Tritanomaly

40.6176, 56.7775, 88.9391

Monochromacy



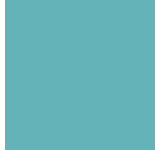
Original Color

40.6176, 56.7775, 88.9391



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

30.0226, 38.3956, 51.7277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6176, 56.7775, 88.9391 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(0, 219, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 237)  
}
```

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(0, 219, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 237) }
```

Border

The CSS property to change the border of an element to XYZ 40.6176, 56.7775, 88.9391 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(0, 219, 237) }
```


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

```
.border{ border-color:rgb(0, 219, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 219, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6176, 56.7775, 88.9391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 237) }
```

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

```
.background{ background-color: rgb(0, 219,  
237) }
```

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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