

Converting Colors

XYZ(24.5946, 39.0450, 56.5114)

Have a look what the booklet for
XYZ(24.5946, 39.0450, 56.5114)
contains.

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Color

**XYZ(28.0391, 40.6772,
56.8257)**

Conversions

Conversions Part 1

Format	Color
Hex	00BEC1
RGB	0, 190, 193
RGB Percent	0%, 75%, 76%
CMY	0.9998, 0.2549, 0.2431
CMYK	1.00, 0.02, 0.00, 0.24
HSL	181°, 100%, 38%
HSV	181°, 100%, 76%
XYZ	28.0391, 40.6772, 56.8257
YIQ	133.5320, -114.2030, -39.3470

Conversions

Conversions Part 2

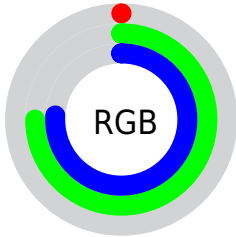
Format	Color
RYB	0, 96, 193
Decimal	48833
CIELab	69.95, -37.62, -12.84
CIELCh	70, 39.753, 198.838
Yxy	40.6772, 0.2233, 0.3240
Android (android.graphics.Color)	4278238913 (0xFF00BEC1)
YUV	133.5320, 29.3177, -117.1076
Hunter-Lab	63.7787, -33.1385, -8.1813

Details

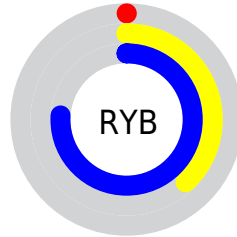
The XYZ color **28.0391, 40.6772, 56.8257** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **22.0258, 11.4037, 1.0414**, and the grayscale version is **22.4194, 23.5869, 25.6862**.

A 20% lighter version of the original color is **55.9532, 76.2446, 101.3902**, and **13.5378, 19.5018, 27.8616** is the 20% darker color. If you saturate the color by 10%, you get **28.0397, 40.6782, 56.8266**, and if you desaturate by 10%, it is **28.3801, 40.9504, 56.8612**.

Distribution



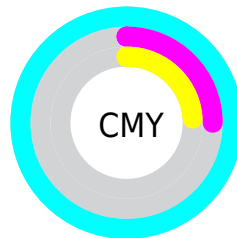
- Red (0%)
- Green (75%)
- Blue (76%)



- Red (0%)
- Yellow (38%)
- Blue (76%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (25%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0391, 40.6772, 56.8257 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 28.0391, 40.6772, 56.8257 by changing the saturation by 10% instead.

■ 28.0391, 40.6772,
56.8257

■ 28.0391, 40.6772,
56.8257

284.7304,
348.9697, 430.2713

■ 18.4957, 28.0669,
40.4569

■ 55.9551, 76.1936,
101.7086

■ 11.4083, 18.3761,
27.5785

■ 75.0584, 99.8686,
131.0598

■ 6.4115, 11.2204,
17.7719

■ 98.0791, 128.0006,
165.5756

■ 3.1399, 6.2153,
10.6186

■ 125.3825,
160.9740, 205.6744

■ 1.2282, 2.9764,
5.7001

■ 157.3340,
199.1732, 251.7748

■ 0.1284, 1.1194,
2.5977

194.2989,

■ 0.0000, 0.0000,

242.9826, 304.2954

0.8913

236.6426,
292.7866, 363.6547

■ 0.0000, 0.0000,
0.0000

■ 28.0391, 40.6772,
56.8257

■ 28.0391, 40.6772,
56.8257

■ 28.0397, 40.6782,
56.8266

■ 28.3801, 40.9504,
56.8612

■ 28.9932, 41.3632,
56.9086

■ 29.9768, 41.9672,
56.9733

■ 31.3808, 42.7881,
57.0578

■ 33.2473, 43.8476,
57.1639

■ 35.6134, 45.1649,
57.2935

■ 38.5122, 46.7571,
57.4480

■ 41.9744, 48.6398,
57.6289

■ 46.0279, 50.8276,
57.8376

Harmonies

Analogous

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



27.6924, 40.6772, 37.7429



28.0391, 40.6772, 56.8257



31.0358, 40.6772, 76.9096

Triad

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



28.0391, 40.6772, 56.8257



48.8097, 40.6772, 72.1367



41.1220, 40.6772, 17.7170

Complementary

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



28.0391, 40.6772, 56.8257



22.0258, 11.4037, 1.0414

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.



47.4462, 40.6772, 22.5106



28.0391, 40.6772, 56.8257



52.2034, 40.6772, 51.5548

Square

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



28.0391, 40.6772, 56.8257



42.8221, 40.6772, 87.3146



51.6783, 40.6772, 33.7493



34.7813, 40.6772, 18.3960

Rectangle

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



28.0391, 40.6772, 56.8257



34.3413, 40.6772, 86.5398



51.6783, 40.6772, 33.7493



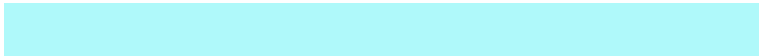
43.3317, 40.6772, 18.6726

Sweetspot

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



28.0403, 40.6787, 56.8267



68.6970, 83.5894, 102.8739



19.0710, 38.1408, 6.3579



14.2432, 17.6618, 22.0437



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.0403, 40.6787, 56.8267



50.2005, 72.8176, 101.7697



13.8568, 12.3117, 52.0988



10.3547, 11.4007, 12.9396



18.6553, 27.0671, 37.7978



0.8104, 1.1782, 1.6346

Inverse Universe

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



31.2876, 15.0563, 49.9739



56.0257, 26.9604, 89.4533



26.2234, 19.7988, 2.4406



10.4903, 10.2447, 12.6726



20.8123, 10.0147, 33.2532



0.9014, 0.4336, 1.4484

Previews

White Background



This preview shows how the XYZ color 28.0391, 40.6772, 56.8257 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 28.0391, 40.6772, 56.8257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

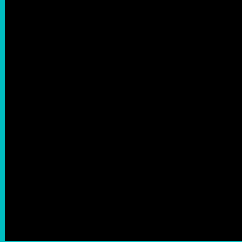
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

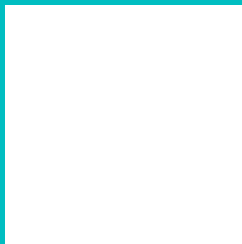
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.0391, 40.6772, 56.8257

Background



This preview shows how black text looks on a background with the XYZ color 28.0391, 40.6772, 56.8257.



This preview shows how white text looks on a background with the XYZ color 28.0391, 40.6772,

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

28.0391, 40.6772, 56.8257

Protanopia

39.0037, 40.2173, 48.8870

Deuteranopia

40.8425, 40.1203, 59.0174



Tritanopia

29.4474, 40.6174, 63.4146

Trichromacy



Original Color

28.0391, 40.6772, 56.8257



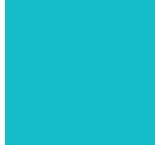
Protanomaly

30.6634, 38.1352, 51.6436



Deuteranomaly

31.6005, 37.8967, 57.8738



Tritanomaly

28.9114, 40.7140, 60.9784

Monochromacy



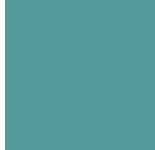
Original Color

28.0391, 40.6772, 56.8257



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

21.2183, 27.4091, 35.1825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0391, 40.6772, 56.8257 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, 190, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 193)  
}
```

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, 190, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 193) }
```

Border

The CSS property to change the border of an element to XYZ 28.0391, 40.6772, 56.8257 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, 190, 193) }
```


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

```
.border{ border-color:rgb(0, 190, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 190, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0391, 40.6772, 56.8257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 193) }
```

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

```
.background{ background-color: rgb(0, 190,  
193) }
```

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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