

Converting Colors

XYZ(18.2944, 36.1640, 50.5807)

Have a look what the booklet for
XYZ(18.2944, 36.1640, 50.5807)
contains.

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Color

**XYZ(27.1780, 40.6805,
51.2194)**

Conversions

Conversions Part 1

Format	Color
Hex	00BFB7
RGB	0, 191, 183
RGB Percent	0%, 75%, 72%
CMY	0.9999, 0.2510, 0.2823
CMYK	1.00, 0.00, 0.04, 0.25
HSL	177°, 100%, 37%
HSV	177°, 100%, 75%
XYZ	27.1780, 40.6805, 51.2194
YIQ	132.9790, -111.2680, -42.9800

Conversions

Conversions Part 2

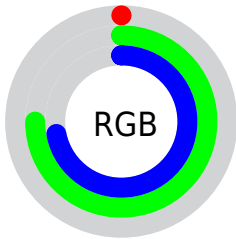
Format	Color
RYB	0, 98, 191
Decimal	49079
CIELab	69.95, -41.08, -7.35
CIELCh	70, 41.729, 190.148
Yxy	40.6805, 0.2282, 0.3416
Android (android.graphics.Color)	4278239159 (0xFF00BFB7)
YUV	132.9790, 24.6604, -116.6226
Hunter-Lab	63.7813, -35.5561, -2.9658

Details

The XYZ color **27.1780, 40.6805, 51.2194** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **21.5309, 11.0950, 1.2374**, and the grayscale version is **22.2327, 23.3906, 25.4723**.

A 20% lighter version of the original color is **54.6269, 76.1916, 93.4887**, and **12.9749, 19.5030, 24.1997** is the 20% darker color. If you saturate the color by 10%, you get **27.1787, 40.6818, 51.2196**, and if you desaturate by 10%, it is **27.5335, 40.8550, 51.6731**.

Distribution



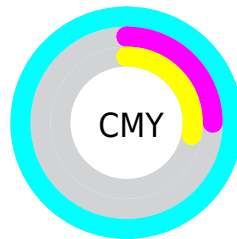
- Red (0%)
- Green (75%)
- Blue (72%)



- Red (0%)
- Yellow (38%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1780, 40.6805, 51.2194 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 27.1780, 40.6805, 51.2194 by changing the saturation by 10% instead.

■ 27.1780, 40.6805,
51.2194

■ 27.1780, 40.6805,
51.2194

280.6698,
348.9835, 408.2865

■ 17.8442, 28.0695,
36.0053

■ 54.5872, 76.1986,
93.3938

■ 10.9372, 18.3781,
24.1486

■ 73.3934, 99.8746,
121.1912

■ 6.0916, 11.2218,
15.2306

■ 96.0878, 128.0077,
154.0202

■ 2.9421, 6.2162,
8.8330

■ 123.0357,
160.9822, 192.2991

■ 1.1232, 2.9770,
4.5371

■ 154.6025,
199.1827, 236.4467

■ 0.0444, 1.1197,
1.9244

191.1535,

■ 0.0000, 0.0000,

242.9935, 286.8814

0.5082

233.0542,
292.7989, 344.0218

■ 0.0000, 0.0000,
0.0000

■ 27.1780, 40.6805,
51.2194

■ 27.1780, 40.6805,
51.2194

■ 27.1787, 40.6818,
51.2196

■ 27.5335, 40.8550,
51.6731

■ 28.1543, 41.1654,
52.1407

■ 29.1373, 41.6623,
52.6278

■ 30.5309, 42.3710,
53.1366

■ 32.3763, 43.3124,
53.6690

■ 34.7095, 44.5053,
54.2267

■ 37.5629, 45.9663,
54.8113

■ 40.9662, 47.7107,
55.4241

■ 44.9469, 49.7527,
56.0664

Harmonies

Analogous

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



27.6327, 40.6805, 32.7638



27.1780, 40.6805, 51.2194



29.5140, 40.6805, 73.0651

Triad

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



27.1780, 40.6805, 51.2194



47.7162, 40.6805, 79.4933



43.2743, 40.6805, 17.5983

Complementary

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



27.1780, 40.6805, 51.2194



21.5309, 11.0950, 1.2374

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.



49.5369, 40.6805, 24.2836



27.1780, 40.6805, 51.2194



52.3022, 40.6805, 58.2546

Square

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



27.1780, 40.6805, 51.2194



41.0136, 40.6805, 92.2790



53.0050, 40.6805, 38.0231



36.4090, 40.6805, 16.7277

Rectangle

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



27.1780, 40.6805, 51.2194



32.5201, 40.6805, 85.3181



53.0050, 40.6805, 38.0231



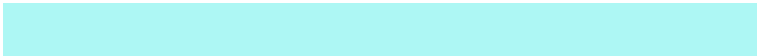
45.5403, 40.6805, 19.1217

Sweetspot

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



27.1792, 40.6820, 51.2204



66.9993, 82.1829, 98.1115



18.7515, 37.3248, 6.2170



14.2121, 17.7904, 21.4451



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.



27.1792, 40.6820, 51.2204



48.6519, 72.8494, 91.6073



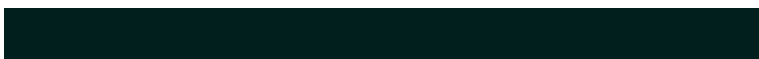
14.4630, 13.8785, 51.2084



9.7908, 10.8025, 12.1481



17.8686, 26.7377, 33.7002



0.7053, 1.0495, 1.3485

Inverse Universe

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



21.5309, 11.0950, 1.2374



38.5381, 19.8606, 2.0999



24.8121, 17.7274, 2.1149



9.5459, 9.5427, 9.9979



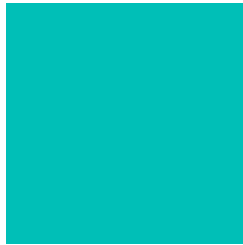
14.1565, 7.2938, 0.8519



0.5601, 0.2879, 0.0629

Previews

White Background



This preview shows how the XYZ color 27.1780, 40.6805, 51.2194 looks on a white background.

Color Contrast Check

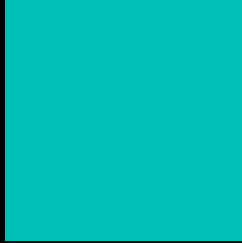
Large Text (above 18pt) WCAG AA × Fail

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 27.1780, 40.6805, 51.2194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

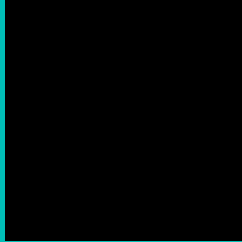
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

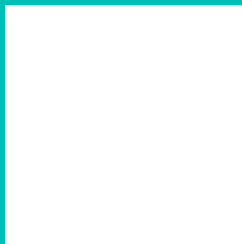
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.1780, 40.6805, 51.2194

Background



This preview shows how black text looks on a background with the XYZ color 27.1780, 40.6805, 51.2194.

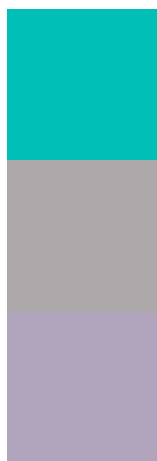


This preview shows how white text looks on a background with the XYZ color 27.1780, 40.6805,

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

27.1780, 40.6805, 51.2194

Protanopia

38.6772, 40.1625, 43.7438

Deuteranopia

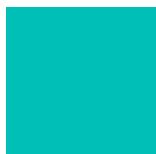
40.7719, 39.9315, 53.7028



Tritanopia

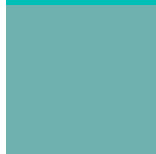
29.6772, 40.7497, 62.8012

Trichromacy



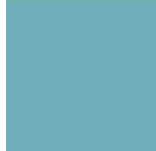
Original Color

27.1780, 40.6805, 51.2194



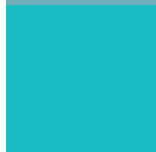
Protanomaly

29.8904, 37.8544, 46.2887



Deuteranomaly

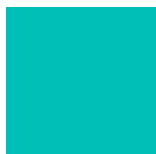
30.9157, 37.3707, 52.5975



Tritanomaly

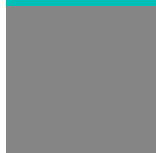
28.5874, 40.6003, 58.5545

Monochromacy



Original Color

27.1780, 40.6805, 51.2194



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.8878, 27.2769, 33.4422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1780, 40.6805, 51.2194 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, 191, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 183)  
}
```

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, 191, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 183) }
```

Border

The CSS property to change the border of an element to XYZ 27.1780, 40.6805, 51.2194 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, 191, 183) }
```


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

```
.border{ border-color:rgb(0, 191, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1780, 40.6805, 51.2194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 183) }
```

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

```
.background{ background-color: rgb(0, 191,  
183) }
```

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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