

Converting Colors

XYZ(18.7937, 33.1806, 50.6036)

Have a look what the booklet for
XYZ(18.7937, 33.1806, 50.6036)
contains.

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Color

**XYZ(25.1756, 36.5084,
51.0673)**

Conversions

Conversions Part 1

Format	Color
Hex	00B5B8
RGB	0, 181, 184
RGB Percent	0%, 71%, 72%
CMY	0.9998, 0.2902, 0.2784
CMYK	1.00, 0.02, 0.00, 0.28
HSL	181°, 100%, 36%
HSV	181°, 100%, 72%
XYZ	25.1756, 36.5084, 51.0673
YIQ	127.2230, -108.8390, -37.4390

Conversions

Conversions Part 2

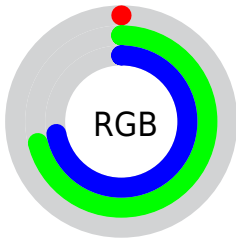
Format	Color
RYB	0, 91, 184
Decimal	46520
CIELab	66.91, -36.25, -12.45
CIELCh	67, 38.326, 198.953
Yxy	36.5084, 0.2233, 0.3238
Android (android.graphics.Color)	4278236600 (0xFF00B5B8)
YUV	127.2230, 27.9911, -111.5746
Hunter-Lab	60.4222, -31.3647, -7.8149

Details

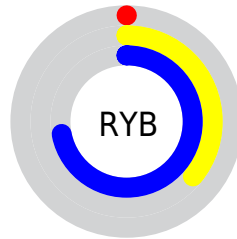
The XYZ color **25.1756, 36.5084, 51.0673** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **19.8006, 10.2565, 0.9372**, and the grayscale version is **20.1874, 21.2387, 23.1290**.

A 20% lighter version of the original color is **51.2679, 69.5690, 93.1641**, and **11.6861, 16.8174, 24.1029** is the 20% darker color. If you saturate the color by 10%, you get **25.1761, 36.5092, 51.0681**, and if you desaturate by 10%, it is **25.4950, 36.7645, 51.1006**.

Distribution



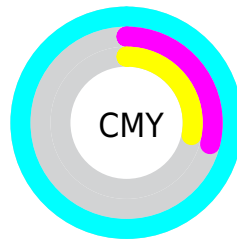
- Red (0%)
- Green (71%)
- Blue (72%)



- Red (0%)
- Yellow (36%)
- Blue (72%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (29%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1756, 36.5084, 51.0673 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 25.1756, 36.5084, 51.0673 by changing the saturation by 10% instead.

■ 25.1756, 36.5084,
51.0673

■ 25.1756, 36.5084,
51.0673

271.0428,
331.1772, 407.6792

■ 16.3374, 24.8271,
35.8851

■ 51.3828, 69.8161,
93.1668

■ 9.8556, 15.9483,
24.0565

■ 69.4825, 92.2112,
120.9211

■ 5.3648, 9.4876,
15.1629

■ 91.4000, 118.9464,
153.7032

■ 2.4998, 5.0605,
8.7859

■ 117.5007,
150.4061, 191.9316

■ 0.8952, 2.2828,
4.5069

■ 148.1500,
186.9746, 236.0249

■ 0.0000, 0.7646,
1.9073

183.7132,

■ 0.0000, 0.0000,

229.0364, 286.4015

0.4974

224.5557,
276.9758, 343.4801

■ 0.0000, 0.0000,
0.0000

■ 25.1756, 36.5084,
51.0673

■ 25.1756, 36.5084,
51.0673

■ 25.1761, 36.5092,
51.0681

■ 25.4950, 36.7645,
51.1006

■ 26.0557, 37.1443,
51.1443

■ 26.9485, 37.6956,
51.2037

■ 28.2176, 38.4411,
51.2807

■ 29.9004, 39.4000,
51.3771

■ 32.0298, 40.5894,
51.4944

■ 34.6353, 42.0244,
51.6341

■ 37.7440, 43.7190,
51.7973

■ 41.3810, 45.6861,
51.9853

Harmonies

Analogous

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



24.8553, 36.5084, 33.9340



25.1756, 36.5084, 51.0673



27.8728, 36.5084, 69.0709

Triad

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



25.1756, 36.5084, 51.0673



43.8197, 36.5084, 64.6626



36.8837, 36.5084, 15.9031

Complementary

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



25.1756, 36.5084, 51.0673



19.8006, 10.2565, 0.9372

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.



42.5602, 36.5084, 20.1844



25.1756, 36.5084, 51.0673



46.8519, 36.5084, 46.1984

Square

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



25.1756, 36.5084, 51.0673



38.4541, 36.5084, 78.3099



46.3669, 36.5084, 30.2444



31.1988, 36.5084, 16.5307

Rectangle

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



25.1756, 36.5084, 51.0673



30.8430, 36.5084, 77.6835



46.3669, 36.5084, 30.2444



38.8662, 36.5084, 16.7543

Sweetspot

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



25.1767, 36.5097, 51.0682



62.5158, 76.0321, 93.5853



17.1414, 34.2818, 5.7147



13.0321, 16.1465, 20.1513



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



25.1767, 36.5097, 51.0682



45.6194, 66.1451, 92.5675



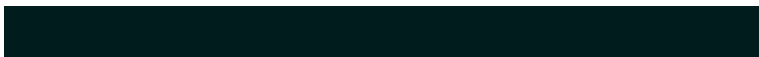
12.4812, 11.1188, 46.8364



9.2538, 10.1848, 11.5576



17.3563, 25.1723, 35.1970



0.6159, 0.8954, 1.2421

Inverse Universe

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



28.1086, 13.5276, 44.8470



50.9436, 24.5169, 81.2463



23.5965, 17.8483, 2.2025



9.3745, 9.1602, 11.3193



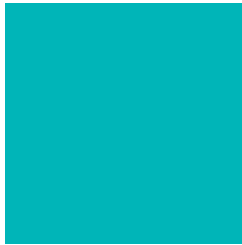
19.3743, 9.3235, 30.9217



0.6850, 0.3295, 1.1007

Previews

White Background



This preview shows how the XYZ color 25.1756, 36.5084, 51.0673 looks on a white background.

Color Contrast Check

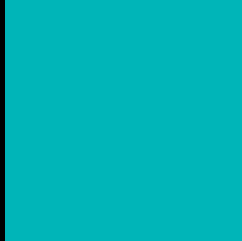
Large Text (above 18pt) WCAG AA × Fail

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 25.1756, 36.5084, 51.0673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

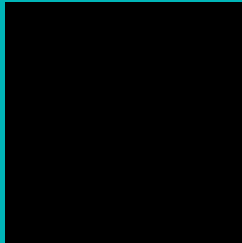
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

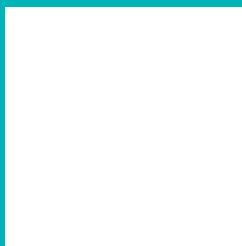
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.1756, 36.5084, 51.0673

Background



This preview shows how black text looks on a background with the XYZ color 25.1756, 36.5084, 51.0673.

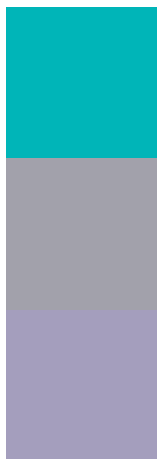


This preview shows how white text looks on a background with the XYZ color 25.1756, 36.5084,

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

25.1756, 36.5084, 51.0673

Protanopia

34.9958, 36.1114, 43.6538

Deuteranopia

36.7220, 36.0204, 53.1613



Tritanopia

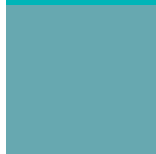
26.3931, 36.4113, 56.6759

Trichromacy



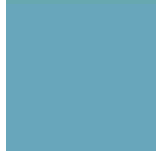
Original Color

25.1756, 36.5084, 51.0673



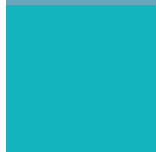
Protanomaly

27.4326, 34.0234, 46.1956



Deuteranomaly

28.3148, 33.8033, 52.0461



Tritanomaly

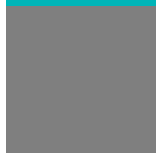
25.8841, 36.4987, 54.3959

Monochromacy



Original Color

25.1756, 36.5084, 51.0673



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

19.1724, 24.7549, 31.7847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1756, 36.5084, 51.0673 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, 181, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 184)  
}
```

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, 181, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 184) }
```

Border

The CSS property to change the border of an element to XYZ 25.1756, 36.5084, 51.0673 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, 181, 184) }
```


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

```
.border{ border-color:rgb(0, 181, 184) }
```

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

Here you see how a box with a 4 pixel rgb(0, 181, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1756, 36.5084, 51.0673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 184) }
```

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

```
.background{ background-color: rgb(0, 181,  
184) }
```

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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