

Converting Colors

XYZ(13.7785, 30.1761, 52.7517)

Have a look what the booklet for
XYZ(13.7785, 30.1761, 52.7517)
contains.

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Color

**XYZ(25.3984, 36.2734,
53.2398)**

Conversions

Conversions Part 1

Format	Color
Hex	00B4BC
RGB	0, 180, 188
RGB Percent	0%, 71%, 74%
CMY	0.9998, 0.2941, 0.2627
CMYK	1.00, 0.04, 0.00, 0.26
HSL	183°, 100%, 37%
HSV	183°, 100%, 74%
XYZ	25.3984, 36.2734, 53.2398
YIQ	127.0920, -109.8480, -35.6720

Conversions

Conversions Part 2

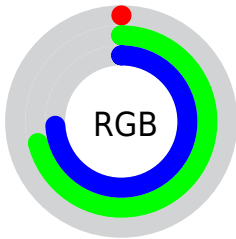
Format	Color
RYB	0, 92, 188
Decimal	46268
CIELab	66.73, -34.54, -14.93
CIELCh	67, 37.624, 203.377
Yxy	36.2734, 0.2210, 0.3157
Android (android.graphics.Color)	4278236348 (0xFF00B4BC)
YUV	127.0920, 30.0276, -111.4597
Hunter-Lab	60.2274, -30.1230, -10.2520

Details

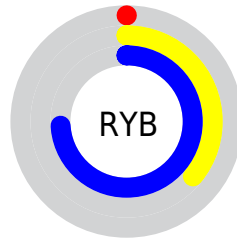
The XYZ color **25.3984, 36.2734, 53.2398** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **20.8268, 10.8661, 1.0008**, and the grayscale version is **20.1361, 21.1847, 23.0702**.

A 20% lighter version of the original color is **51.5801, 69.2319, 96.2325**, and **11.9625, 16.9280, 25.5586** is the 20% darker color. If you saturate the color by 10%, you get **25.3987, 36.2738, 53.2405**, and if you desaturate by 10%, it is **25.8265, 36.7353, 53.3071**.

Distribution



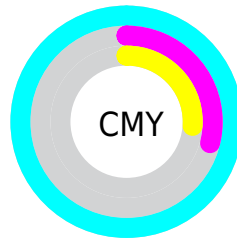
- Red (0%)
- Green (71%)
- Blue (74%)



- Red (0%)
- Yellow (36%)
- Blue (74%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (29%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3984, 36.2734, 53.2398 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 25.3984, 36.2734, 53.2398 by changing the saturation by 10% instead.

■ 25.3984, 36.2734,
53.2398

■ 25.3984, 36.2734,
53.2398

272.1274,
330.1539, 416.2968

■ 16.5044, 24.6454,
37.6052

■ 51.7411, 69.4538,
96.4023

■ 9.9749, 15.8131,
25.3770

■ 69.9205, 91.7751,
124.7672

■ 5.4445, 9.3920,
16.1366

■ 91.9257, 118.4296,
158.2127

■ 2.5477, 4.9977,
9.4654

■ 118.1222,
149.8016, 197.1572

■ 0.9194, 2.2459,
4.9451

■ 148.8753,
186.2757, 242.0193

■ 0.0000, 0.7449,
2.1569

184.5503,

■ 0.0000, 0.0000,

228.2362, 293.2176

0.6493

225.5125,
276.0675, 351.1706

■ 0.0000, 0.0000,
0.0000

■ 25.3984, 36.2734,
53.2398

■ 25.3984, 36.2734,
53.2398

■ 25.3987, 36.2738,
53.2405

■ 25.8265, 36.7353,
53.3071

■ 26.5101, 37.3295,
53.3857

■ 27.5434, 38.1055,
53.4811

■ 28.9731, 39.0872,
53.5952

■ 30.8386, 40.2949,
53.7300

■ 33.1746, 41.7465,
53.8871

■ 36.0123, 43.4582,
54.0679

■ 39.3802, 45.4447,
54.2738

■ 43.3046, 47.7194,
54.5060

Harmonies

Analogous

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



24.7330, 36.2734, 35.9994



25.3984, 36.2734, 53.2398



28.3678, 36.2734, 70.2645

Triad

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



25.3984, 36.2734, 53.2398



43.9980, 36.2734, 61.2278



35.7508, 36.2734, 15.8740

Complementary

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



25.3984, 36.2734, 53.2398



20.8268, 10.8661, 1.0008

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.



41.4053, 36.2734, 19.3472



25.3984, 36.2734, 53.2398



46.4928, 36.2734, 43.2110

Square

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



25.3984, 36.2734, 53.2398



38.9907, 36.2734, 75.6910



45.4955, 36.2734, 28.3472



30.3254, 36.2734, 17.1926

Rectangle

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



25.3984, 36.2734, 53.2398



31.4481, 36.2734, 77.6507



45.4955, 36.2734, 28.3472



37.6939, 36.2734, 16.4793

Sweetspot

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



25.3995, 36.2747, 53.2407



64.9794, 78.5896, 97.9707



18.0185, 35.9810, 6.1764



13.4870, 16.6086, 21.0375



90.7827, 95.5105, 104.0109



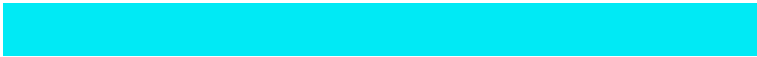
18.6292, 19.5994, 21.3438

Same Dimension

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



25.3995, 36.2747, 53.2407



45.9828, 65.6441, 96.4732



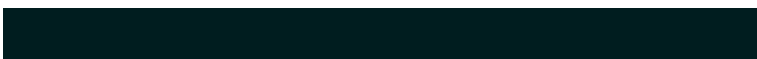
12.5474, 10.5705, 48.9566



9.7729, 10.7380, 12.2298



17.3068, 24.7253, 36.2532



0.6888, 0.9902, 1.4237

Inverse Universe

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



28.9783, 13.9878, 44.3540



52.4928, 25.3391, 80.2547



25.3242, 19.8609, 2.5000



9.9120, 9.6891, 11.9253



19.7364, 9.5257, 30.2353



0.7786, 0.3753, 1.2132

Previews

White Background



This preview shows how the XYZ color 25.3984, 36.2734, 53.2398 looks on a white background.

Color Contrast Check

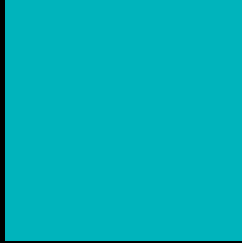
Large Text (above 18pt) WCAG AA × Fail

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 25.3984, 36.2734, 53.2398 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

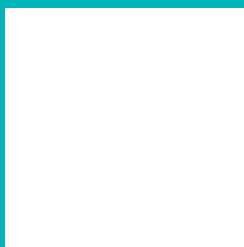
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.3984, 36.2734, 53.2398

Background



This preview shows how black text looks on a background with the XYZ color 25.3984, 36.2734, 53.2398.

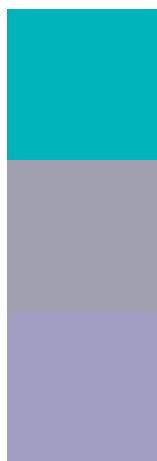


This preview shows how white text looks on a background with the XYZ color 25.3984, 36.2734,

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

25.3984, 36.2734, 53.2398

Protanopia

34.8059, 35.7103, 45.6158

Deuteranopia

36.5504, 35.8810, 55.4514



Tritanopia

26.2111, 36.3174, 56.6674

Trichromacy



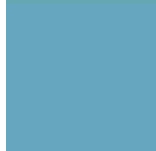
Original Color

25.3984, 36.2734, 53.2398



Protanomaly

27.5364, 33.7575, 48.2445



Deuteranomaly

28.5197, 33.8588, 54.3225



Tritanomaly

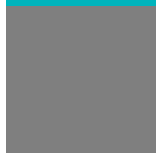
25.8315, 36.1475, 55.4849

Monochromacy



Original Color

25.3984, 36.2734, 53.2398



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

19.0970, 24.4770, 32.1518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3984, 36.2734, 53.2398 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, 180, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 188)  
}
```

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, 180, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 188) }
```

Border

The CSS property to change the border of an element to XYZ 25.3984, 36.2734, 53.2398 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, 180, 188) }
```


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

```
.border{ border-color:rgb(0, 180, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3984, 36.2734, 53.2398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 188) }
```

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

```
.background{ background-color: rgb(0, 180,  
188) }
```

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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