

Converting Colors

XYZ(23.1756, 36.5623, 37.9035)

Have a look what the booklet for
XYZ(23.1756, 36.5623, 37.9035)
contains.

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Color

**XYZ(23.2263, 36.7153,
37.7609)**

Conversions

Conversions Part 1

Format	Color
Hex	00B89D
RGB	0, 184, 157
RGB Percent	0%, 72%, 62%
CMY	0.9999, 0.2784, 0.3843
CMYK	1.00, 0.00, 0.15, 0.28
HSL	171°, 100%, 36%
HSV	171°, 100%, 72%
XYZ	23.2263, 36.7153, 37.7609
YIQ	125.9060, -100.9970, -47.4050

Conversions

Conversions Part 2

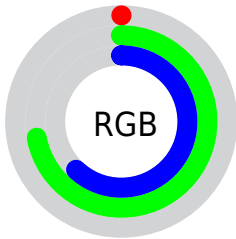
Format	Color
RYB	0, 99, 184
Decimal	47261
CIELab	67.06, -45.43, 2.70
CIELCh	67, 45.513, 176.604
Yxy	36.7153, 0.2377, 0.3758
Android (android.graphics.Color)	4278237341 (0xFF00B89D)
YUV	125.9060, 15.3293, -110.4196
Hunter-Lab	60.5932, -37.6162, 5.4664

Details

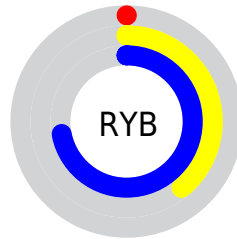
The XYZ color **23.2263, 36.7153, 37.7609** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **19.9663, 10.2705, 1.9687**, and the grayscale version is **19.7765, 20.8064, 22.6582**.

A 20% lighter version of the original color is **48.2502, 70.2104, 72.6369**, and **10.5842, 17.0059, 16.3603** is the 20% darker color. If you saturate the color by 10%, you get **23.2267, 36.7164, 37.7600**, and if you desaturate by 10%, it is **23.7177, 36.9426, 39.0018**.

Distribution



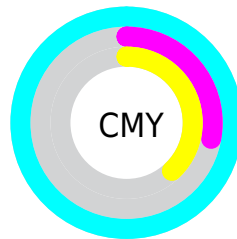
- Red (0%)
- Green (72%)
- Blue (62%)



- Red (0%)
- Yellow (39%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (28%)



- Cyan (100%)
- Magenta (28%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2263, 36.7153, 37.7609 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 23.2263, 36.7153, 37.7609 by changing the saturation by 10% instead.

■ 23.2263, 36.7153,
37.7609

■ 23.2263, 36.7153,
37.7609

261.3989,
332.0763, 351.8606

■ 14.8823, 24.9871,
25.4968

■ 48.2286, 70.1347,
72.9409

■ 8.8226, 16.0675,
16.2252

■ 65.6176, 92.5947,
96.6938

■ 4.6818, 9.5719,
9.5276

■ 86.7523, 119.4008,
125.1134

■ 2.0946, 5.1161,
4.9854

■ 111.9980,
150.9374, 158.6182

■ 0.6863, 2.3155,
2.1801

■ 141.7202,
187.5888, 197.6268

■ 0.0000, 0.7819,
0.6628

■ 176.2842,

■ 0.0000, 0.0000,

229.7395, 242.5577

0.0000

216.0553,
277.7739, 293.8294

■ 23.2263, 36.7153,
37.7609

■ 23.2263, 36.7153,
37.7609

■ 23.2267, 36.7164,
37.7600

■ 23.7177, 36.9426,
39.0018

■ 24.4553, 37.2953,
40.2801

■ 25.5300, 37.8212,
41.6012

■ 26.9861, 38.5431,
42.9672

■ 28.8610, 39.4803,
44.3800

■ 31.1875, 40.6498,
45.8415

■ 33.9954, 42.0667,
47.3531

■ 37.3116, 43.7451,
48.9162

■ 41.1613, 45.6979,
50.5321

Harmonies

Analogous

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



24.9233, 36.7153, 22.4534



23.2263, 36.7153, 37.7609



24.2987, 36.7153, 59.5892

Triad

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



23.2263, 36.7153, 37.7609



41.2022, 36.7153, 84.6567



42.7466, 36.7153, 15.8521

Complementary

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



23.2263, 36.7153, 37.7609



19.9663, 10.2705, 1.9687

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.



48.2000, 36.7153, 25.2225



23.2263, 36.7153, 37.7609



47.2287, 36.7153, 64.8398

Square

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



23.2263, 36.7153, 37.7609



34.1143, 36.7153, 91.3708



49.9390, 36.7153, 42.2776



35.6912, 36.7153, 12.7233

Rectangle

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



23.2263, 36.7153, 37.7609



26.5287, 36.7153, 74.5587



49.9390, 36.7153, 42.2776



44.8620, 36.7153, 18.1852

Sweetspot

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



23.2273, 36.7167, 37.7618



61.3389, 76.1108, 85.6937



17.6099, 34.5238, 5.7364



12.7451, 16.1663, 18.2247



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.



23.2273, 36.7167, 37.7618



42.0335, 66.5283, 68.0803



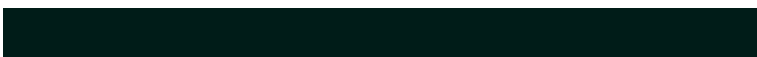
15.3222, 16.8006, 47.7842



9.2085, 10.1874, 11.2552



16.0274, 25.3119, 26.1302



0.5806, 0.8986, 1.0034

Inverse Universe

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



19.9663, 10.2705, 1.9687



36.1395, 18.5952, 3.2886



21.6251, 13.9049, 1.5449



9.0569, 9.0331, 9.6470



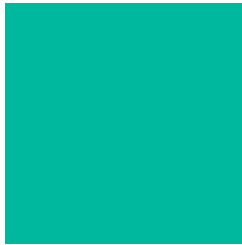
13.7763, 7.0843, 1.4430



0.5028, 0.2566, 0.1412

Previews

White Background



This preview shows how the XYZ color 23.2263, 36.7153, 37.7609 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 23.2263, 36.7153, 37.7609 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

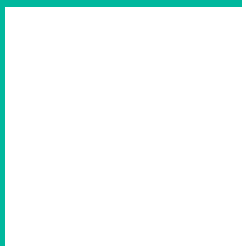
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2263, 36.7153, 37.7609

Background



This preview shows how black text looks on a background with the XYZ color 23.2263, 36.7153, 37.7609.



This preview shows how white text looks on a background with the XYZ color 23.2263, 36.7153,

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

23.2263, 36.7153, 37.7609

Protanopia

34.3934, 36.3200, 31.9858

Deuteranopia

36.7993, 36.1054, 39.6798



Tritanopia

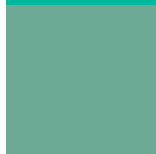
27.1110, 36.7943, 56.1252

Trichromacy



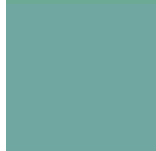
Original Color

23.2263, 36.7153, 37.7609



Protanomaly

25.9839, 34.1075, 33.6477



Deuteranomaly

27.0618, 33.7214, 38.8008



Tritanomaly

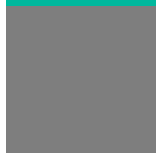
25.3578, 36.6501, 48.9177

Monochromacy



Original Color

23.2263, 36.7153, 37.7609



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

18.2573, 24.3791, 27.4103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2263, 36.7153, 37.7609 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, 184, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 157)  
}
```

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, 184, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 157) }
```

Border

The CSS property to change the border of an element to XYZ 23.2263, 36.7153, 37.7609 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, 184, 157) }
```


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

```
.border{ border-color:rgb(0, 184, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2263, 36.7153, 37.7609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 157) }
```

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

```
.background{ background-color: rgb(0, 184,  
157) }
```

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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