

Converting Colors

XYZ(23.3265, 37.8077, 33.1577)

Have a look what the booklet for
XYZ(23.3265, 37.8077, 33.1577)
contains.

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Color

**XYZ(23.3353, 37.8102,
33.2623)**

Conversions

Conversions Part 1

Format	Color
Hex	18BB92
RGB	24, 187, 146
RGB Percent	9%, 73%, 57%
CMY	0.9058, 0.2667, 0.4274
CMYK	0.87, 0.00, 0.22, 0.27
HSL	165°, 77%, 41%
HSV	165°, 87%, 73%
XYZ	23.3353, 37.8102, 33.2623
YIQ	133.5890, -83.9870, -47.3070

Conversions

Conversions Part 2

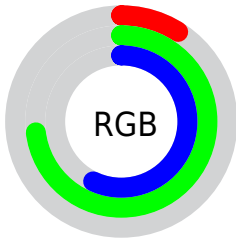
Format	Color
RYB	24, 117, 187
Decimal	1620882
CIELab	67.88, -48.47, 9.92
CIELCh	68, 49.475, 168.429
Yxy	37.8102, 0.2472, 0.4005
Android (android.graphics.Color)	4279810962 (0xFF18BB92)
YUV	133.5890, 6.1186, -96.1096
Hunter-Lab	61.4900, -39.8672, 10.9708

Details

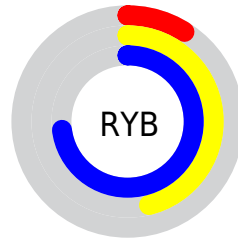
The XYZ color **23.3353, 37.8102, 33.2623** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.7756, 11.6006, 6.0942**, and the grayscale version is **22.5111, 23.6835, 25.7913**.

A 20% lighter version of the original color is **48.3695, 71.7551, 65.9444**, and **10.4531, 17.6013, 13.6729** is the 20% darker color. If you saturate the color by 10%, you get **22.6673, 37.5082, 31.3606**, and if you desaturate by 10%, it is **24.3172, 38.2742, 35.2590**.

Distribution



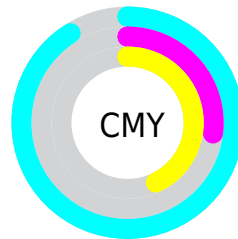
- Red (9%)
- Green (73%)
- Blue (57%)



- Red (9%)
- Yellow (46%)
- Blue (73%)



- Cyan (87%)
- Magenta (0%)
- Yellow (22%)
- Black (27%)





- Cyan (91%)
- Magenta (27%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3353, 37.8102, 33.2623 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 23.3353, 37.8102, 33.2623 by changing the saturation by 10% instead.


 23.3353, 37.8102,
33.2623


 23.3353, 37.8102,
33.2623


261.9458,
336.8051, 331.4982


 14.9633, 25.8354,
22.0547


 48.4059, 71.8171,
65.9056


 8.8798, 16.7006,
13.6984


 65.8353, 94.6181,
88.1783


 4.7194, 10.0212,
7.7748


 87.0145, 121.7965,
114.9765

 2.1166, 5.4130,
3.8655

 112.3089,
153.7368, 146.7187

 0.6982, 2.4916,
1.5519

 142.0839,
190.8235, 183.8234

 0.0000, 0.8724,
0.2561

176.7048,

 0.0000, 0.0000,

233.4408, 226.7092

0.0000

216.5370,
281.9732, 275.7946

■ 23.3353, 37.8102,
33.2623

■ 23.3353, 37.8102,
33.2623

■ 22.6673, 37.5082,
31.3606

■ 24.3172, 38.2742,
35.2590

■ 22.5018, 37.4343,
30.8358

■ 25.6717, 38.9275,
37.3518

■ 27.4437, 39.7943,
39.5446

■ 29.6709, 40.8940,
41.8401

■ 32.3865, 42.2436,
44.2405

■ 35.6208, 43.8588,
46.7484

■ 39.4013, 45.7537,
49.3656

■ 43.7537, 47.9416,
52.0944

■ 48.7021, 50.4347,
54.9366

Harmonies

Analogous

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



25.9916, 37.8102, 19.0156



23.3353, 37.8102, 33.2623



23.6795, 37.8102, 56.0224

Triad

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



23.3353, 37.8102, 33.2623



40.8060, 37.8102, 95.6705



46.6425, 37.8102, 16.9590

Complementary

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



23.3353, 37.8102, 33.2623



21.7756, 11.6006, 6.0942

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.



51.8295, 37.8102, 29.2044



23.3353, 37.8102, 33.2623



48.1432, 37.8102, 76.0502

Square

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



23.3353, 37.8102, 33.2623



33.0588, 37.8102, 97.9840



52.4147, 37.8102, 50.2385



38.9786, 37.8102, 12.0990

Rectangle

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



23.3353, 37.8102, 33.2623



25.5749, 37.8102, 73.4097



52.4147, 37.8102, 50.2385



48.7778, 37.8102, 20.0959

Sweetspot

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



23.3363, 37.8117, 33.2632



64.2616, 78.7818, 84.0633



20.2834, 36.8181, 6.9022



13.6783, 17.1124, 18.1621



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.



23.3363, 37.8117, 33.2632



40.1991, 67.0022, 54.6977



20.0898, 25.2681, 50.8339



9.7032, 10.7674, 11.6868



15.5336, 25.8037, 21.4043



0.6333, 1.0207, 0.9691

Inverse Universe

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



21.7756, 11.6006, 6.0942



37.5445, 19.2578, 6.1446



22.3841, 14.0809, 2.4028



9.6260, 9.5747, 10.4195



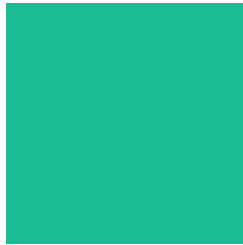
14.4993, 7.4309, 2.6572



0.5953, 0.3020, 0.2480

Previews

White Background



This preview shows how the XYZ color 23.3353, 37.8102, 33.2623 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 23.3353, 37.8102, 33.2623 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 23.3353, 37.8102, 33.2623

Background



This preview shows how black text looks on a background with the XYZ color 23.3353, 37.8102, 33.2623.



This preview shows how white text looks on a background with the XYZ color 23.3353, 37.8102,

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

23.3353, 37.8102, 33.2623

Protanopia

35.0341, 37.2708, 27.9017

Deuteranopia

37.6615, 36.9111, 34.8453



Tritanopia

28.0961, 37.5747, 57.4016

Trichromacy



Original Color

23.3353, 37.8102, 33.2623



Protanomaly

26.9477, 35.2620, 29.4307



Deuteranomaly

28.2972, 35.0136, 34.1210



Tritanomaly

26.0882, 37.6697, 47.4910

Monochromacy



Original Color

23.3353, 37.8102, 33.2623



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

20.5948, 26.9971, 28.1703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3353, 37.8102, 33.2623 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(24, 187, 146)` looks like.

```
.text, #text, p{  
    color:rgb(24, 187, 146)  
}
```

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(24, 187, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 187, 146) }
```

Border

The CSS property to change the border of an element to XYZ 23.3353, 37.8102, 33.2623 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(24, 187, 146) }
```


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

```
.border{ border-color:rgb(24, 187, 146) }
```

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

Here you see how a box with a 4 pixel rgb(24, 187, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 187, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 187, 146);  
box-shadow:4px 4px 4px 4px rgb(24, 187,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3353, 37.8102, 33.2623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 187, 146) }
```

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

```
.background{ background-color: rgb(24, 187,  
146) }
```

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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