

Converting Colors

XYZ(23.7494, 33.1933, 33.6032)

Have a look what the booklet for
XYZ(23.7494, 33.1933, 33.6032)
contains.

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Color

**XYZ(23.7340, 33.2270,
33.5963)**

Conversions

Conversions Part 1

Format	Color
Hex	55AB95
RGB	85, 171, 149
RGB Percent	33%, 67%, 58%
CMY	0.6667, 0.3294, 0.4157
CMYK	0.50, 0.00, 0.13, 0.33
HSL	165°, 34%, 50%
HSV	165°, 50%, 67%
XYZ	23.7340, 33.2270, 33.5963
YIQ	142.7780, -44.1940, -25.0740

Conversions

Conversions Part 2

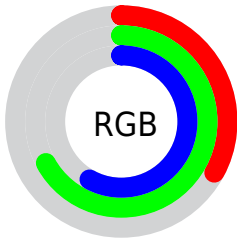
Format	Color
RYB	85, 134, 171
Decimal	5614485
CIELab	64.34, -31.45, 3.38
CIElCh	64, 31.635, 173.871
Yxy	33.2270, 0.2621, 0.3669
Android (android.graphics.Color)	4283804565 (0xFF55AB95)
YUV	142.7780, 3.0674, -50.6713
Hunter-Lab	57.6429, -27.3790, 5.7937

Details

The XYZ color **23.7340, 33.2270, 33.5963** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.6980, 16.2173, 15.8450**, and the grayscale version is **26.0214, 27.3766, 29.8131**.

A 20% lighter version of the original color is **49.0638, 64.8254, 66.4265**, and **9.0597, 14.0329, 13.7864** is the 20% darker color. If you saturate the color by 10%, you get **22.0226, 32.3852, 31.7276**, and if you desaturate by 10%, it is **25.8355, 34.2701, 35.5532**.

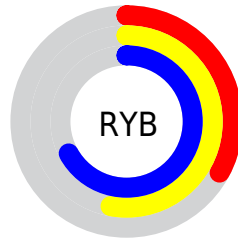
Distribution



Red (33%)

Green (67%)

Blue (58%)



Red (33%)

Yellow (53%)

Blue (67%)

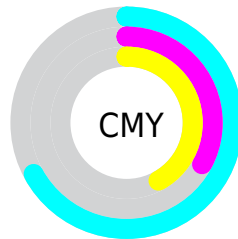


Cyan (50%)

Magenta (0%)

Yellow (13%)

Black (33%)



Cyan (67%)

Magenta (33%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7340, 33.2270, 33.5963 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 23.7340, 33.2270, 33.5963 by changing the saturation by 10% instead.

■ 23.7340, 33.2270,
33.5963

■ 23.7340, 33.2270,
33.5963

263.9384,
316.6714, 333.0422

■ 15.2601, 22.3004,
22.3088

■ 49.0536, 64.7298,
66.4321

■ 9.0896, 14.0778,
13.8835

■ 66.6300, 86.0747,
88.8175

■ 4.8573, 8.1748,
7.9019

■ 87.9713, 111.6613,
115.7392

■ 2.1977, 4.2070,
3.9453

■ 113.4429,
141.8738, 147.6158

■ 0.7415, 1.7900,
1.5954

143.4100,
177.0966, 184.8659

■ 0.0000, 0.4809,
0.2875

178.2380,

■ 0.0000, 0.0000,

217.7143, 227.9080

0.0000

218.2924,
264.1110, 277.1606

■ 23.7340, 33.2270,
33.5963

■ 23.7340, 33.2270,
33.5963

■ 22.0226, 32.3852,
31.7276

■ 25.8355, 34.2701,
35.5532

■ 20.6710, 31.7265,
29.9427

■ 28.3493, 35.5233,
37.5980

■ 19.6486, 31.2360,
28.2403

■ 31.2989, 36.9997,
39.7331

■ 18.9184, 30.8948,
26.6178

■ 34.7056, 38.7102,
41.9602

■ 18.4109, 30.6659,
25.1147

■ 38.5890, 40.6648,
44.2810

■ 42.9676, 42.8731,
46.6971

■ 47.8590, 45.3441,
49.2098

■ 53.2797, 48.0864,
51.8207

■ 59.2456, 51.1082,
54.5312

Harmonies

Analogous

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



25.0940, 33.2270, 23.4440



23.7340, 33.2270, 33.5963



24.3097, 33.2270, 47.1647

Triad

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



23.7340, 33.2270, 33.5963



35.2147, 33.2270, 63.9074



36.9638, 33.2270, 19.6245

Complementary

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



23.7340, 33.2270, 33.5963



22.6980, 16.2173, 15.8450

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.



40.1751, 33.2270, 27.0464



23.7340, 33.2270, 33.5963



39.1000, 33.2270, 52.8486

Square

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



23.7340, 33.2270, 33.5963



30.6663, 33.2270, 66.8426



40.9917, 33.2270, 38.8898



32.5143, 33.2270, 16.7063

Rectangle

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



23.7340, 33.2270, 33.5963



25.7440, 33.2270, 56.2186



40.9917, 33.2270, 38.8898



38.2403, 33.2270, 21.5760

Sweetspot

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



23.7349, 33.2283, 33.5971



59.0148, 67.7483, 73.1413



22.3798, 32.9670, 13.7786



12.8859, 14.9703, 16.1295



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.7349, 33.2283, 33.5971



39.2315, 57.8960, 56.5692



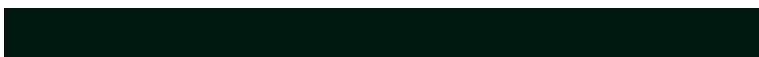
22.1539, 26.9845, 42.5704



8.1475, 9.0366, 9.8016



13.9007, 23.1256, 19.0486



0.4072, 0.6515, 0.6378

Inverse Universe

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



22.6980, 16.2173, 15.8450



37.1913, 24.0324, 21.3498



23.4937, 19.4315, 11.1073



8.0862, 8.0477, 8.7647



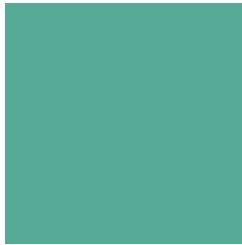
13.0185, 6.6699, 2.4767



0.3844, 0.1944, 0.1859

Previews

White Background



This preview shows how the XYZ color 23.7340, 33.2270, 33.5963 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 23.7340, 33.2270, 33.5963 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

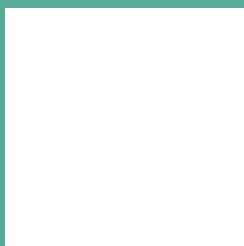
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7340, 33.2270, 33.5963

Background



This preview shows how black text looks on a background with the XYZ color 23.7340, 33.2270, 33.5963.

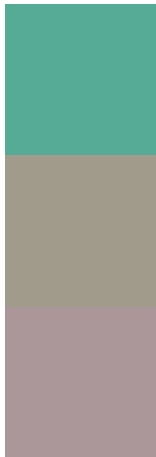


This preview shows how white text looks on a background with the XYZ color 23.7340, 33.2270,

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

23.7340, 33.2270, 33.5963

Protanopia

31.1529, 32.9132, 29.5219

Deuteranopia

33.4507, 32.7705, 34.6993



Tritanopia

26.6730, 33.3124, 48.2041

Trichromacy



Original Color

23.7340, 33.2270, 33.5963

Protanomaly

27.3757, 32.4595, 30.8091

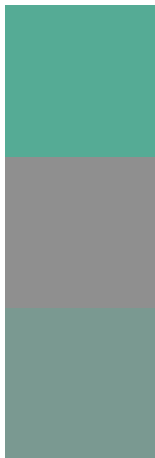
Deuteranomaly

28.7096, 32.2962, 34.4264

Tritanomaly

25.4784, 33.0940, 42.5810

Monochromacy



Original Color

23.7340, 33.2270, 33.5963

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.5281, 28.9644, 31.0860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7340, 33.2270, 33.5963 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(85, 171, 149)` looks like.

```
.text, #text, p{  
    color:rgb(85, 171, 149)  
}
```

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(85, 171, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 171, 149) }
```

Border

The CSS property to change the border of an element to XYZ 23.7340, 33.2270, 33.5963 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(85, 171, 149) }
```


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

```
.border{ border-color:rgb(85, 171, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 171, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 171, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 171, 149);  
box-shadow:4px 4px 4px 4px rgb(85, 171,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7340, 33.2270, 33.5963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 171, 149) }
```

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

```
.background{ background-color: rgb(85, 171,  
149) }
```

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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