

Converting Colors

XYZ(23.7865, 36.1191, 33.7419)

Have a look what the booklet for
XYZ(23.7865, 36.1191, 33.7419)
contains.

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Color

**XYZ(23.7936, 36.1780,
33.7460)**

Conversions

Conversions Part 1

Format	Color
Hex	3DB594
RGB	61, 181, 148
RGB Percent	24%, 71%, 58%
CMY	0.7608, 0.2902, 0.4196
CMYK	0.66, 0.00, 0.18, 0.29
HSL	163°, 50%, 47%
HSV	163°, 66%, 71%
XYZ	23.7936, 36.1780, 33.7460
YIQ	141.3580, -60.9270, -35.7030

Conversions

Conversions Part 2

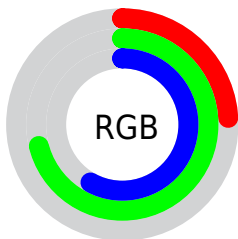
Format	Color
RYB	61, 131, 181
Decimal	4044180
CIELab	66.66, -41.15, 7.16
CIElCh	67, 41.772, 170.127
Yxy	36.1780, 0.2539, 0.3860
Android (android.graphics.Color)	4282234260 (0xFF3DB594)
YUV	141.3580, 3.2745, -70.4740
Hunter-Lab	60.1482, -34.6477, 8.8392

Details

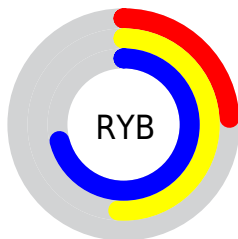
The XYZ color **23.7936, 36.1780, 33.7460** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **22.7463, 13.9702, 12.0884**, and the grayscale version is **25.4635, 26.7896, 29.1739**.

A 20% lighter version of the original color is **49.2612, 69.5509, 66.7054**, and **9.7470, 16.0418, 13.8919** is the 20% darker color. If you saturate the color by 10%, you get **22.4764, 35.5444, 31.6722**, and if you desaturate by 10%, it is **25.5057, 37.0150, 35.9284**.

Distribution



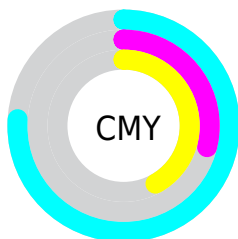
- Red (24%)
- Green (71%)
- Blue (58%)



- Red (24%)
- Yellow (51%)
- Blue (71%)



- Cyan (66%)
- Magenta (0%)
- Yellow (18%)
- Black (29%)





- Cyan (76%)
- Magenta (29%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7936, 36.1780, 33.7460 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 23.7936, 36.1780, 33.7460 by changing the saturation by 10% instead.


 23.7936, 36.1780,
33.7460


 23.7936, 36.1780,
33.7460


264.2352,
329.7379, 333.7325


 15.3045, 24.5717,
22.4228

 49.1503, 69.3067,
66.6679


 9.1211, 15.7582,
13.9666


 66.7486, 91.5979,
89.1036


 4.8780, 9.3532,
7.9589


 88.1140, 118.2196,
116.0805

 2.2099, 4.9723,
3.9813

 113.6119,
149.5560, 148.0172

 0.7479, 2.2310,
1.6151

 143.6076,
185.9917, 185.3322

 0.0000, 0.7368,
0.3015

178.4665,

 0.0000, 0.0000,

227.9109, 228.4441

0.0000

218.5539,
275.6982, 277.7713

■ 23.7936, 36.1780,
33.7460

■ 23.7936, 36.1780,
33.7460

■ 22.4764, 35.5444,
31.6722

■ 25.5057, 37.0150,
35.9284

■ 21.5113, 35.0895,
29.7014

■ 27.6439, 38.0688,
38.2195

■ 20.8468, 34.7876,
27.8309

■ 30.2398, 39.3566,
40.6226

■ 20.6365, 34.6939,
27.1617

■ 33.3211, 40.8925,
43.1401

■ 36.9131, 42.6897,
45.7741

■ 41.0395, 44.7602,
48.5269

■ 45.7223, 47.1155,
51.4003

■ 50.9823, 49.7663,
54.3965

■ 56.8394, 52.7228,
57.5171

Harmonies

Analogous

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



25.9137, 36.1780, 21.0966



23.7936, 36.1780, 33.7460



24.2340, 36.1780, 52.5541

Triad

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



23.7936, 36.1780, 33.7460



38.7183, 36.1780, 81.6879



42.7375, 36.1780, 18.3390

Complementary

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



23.7936, 36.1780, 33.7460



22.7463, 13.9702, 12.0884

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.



47.0386, 36.1780, 28.6339



23.7936, 36.1780, 33.7460



44.5290, 36.1780, 66.0326

Square

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



23.7936, 36.1780, 33.7460



32.3537, 36.1780, 84.3216



47.7315, 36.1780, 45.6344



36.5019, 36.1780, 14.1717

Rectangle

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



23.7936, 36.1780, 33.7460



25.9424, 36.1780, 66.1993



47.7315, 36.1780, 45.6344



44.4880, 36.1780, 21.0189

Sweetspot

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



23.7946, 36.1794, 33.7468



63.3984, 75.0963, 80.0477



22.0866, 35.8191, 10.1650



13.3208, 16.0400, 17.0199



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.7946, 36.1794, 33.7468



39.3083, 63.2086, 54.9205



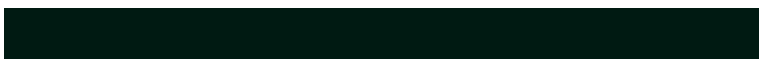
21.9874, 27.7723, 47.9195



8.6409, 9.5909, 10.3689



14.2562, 23.9285, 18.8840



0.4716, 0.7621, 0.7156

Inverse Universe

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



22.7463, 13.9702, 12.0884



37.3723, 20.5128, 13.6777



23.3076, 16.9780, 6.4639



8.5892, 8.5424, 9.3352



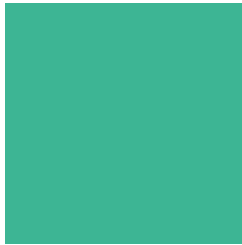
13.5562, 6.9400, 2.8228



0.4518, 0.2285, 0.2217

Previews

White Background



This preview shows how the XYZ color 23.7936, 36.1780, 33.7460 looks on a white background.

Color Contrast Check

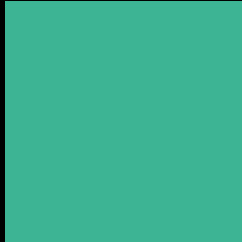
Large Text (above 18pt) WCAG AA × Fail

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 23.7936, 36.1780, 33.7460 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

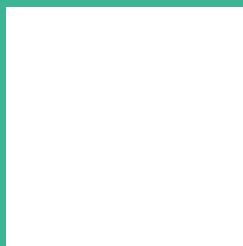
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7936, 36.1780, 33.7460

Background



This preview shows how black text looks on a background with the XYZ color 23.7936, 36.1780, 33.7460.

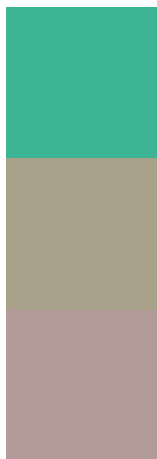


This preview shows how white text looks on a background with the XYZ color 23.7936, 36.1780,

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

23.7936, 36.1780, 33.7460

Protanopia

33.6224, 35.7309, 28.7916

Deuteranopia

36.1445, 35.3595, 35.4919



Tritanopia

27.7397, 35.9963, 53.6301

Trichromacy



Original Color

23.7936, 36.1780, 33.7460



Protanomaly

28.0163, 34.6742, 30.4155



Deuteranomaly

29.0963, 34.0522, 34.7449



Tritanomaly

26.0346, 35.8780, 45.5974

Monochromacy



Original Color

23.7936, 36.1780, 33.7460



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

23.6046, 29.2353, 30.7844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7936, 36.1780, 33.7460 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(61, 181, 148)` looks like.

```
.text, #text, p{  
    color:rgb(61, 181, 148)  
}
```

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(61, 181, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 181, 148) }
```

Border

The CSS property to change the border of an element to XYZ 23.7936, 36.1780, 33.7460 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(61, 181, 148) }
```


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

```
.border{ border-color:rgb(61, 181, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 181, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 181, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 181, 148);  
box-shadow:4px 4px 4px 4px rgb(61, 181,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7936, 36.1780, 33.7460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 181, 148) }
```

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

```
.background{ background-color: rgb(61, 181,  
148) }
```

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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