

Converting Colors

XYZ(23.7181, 33.1435, 41.5144)

Have a look what the booklet for
XYZ(23.7181, 33.1435, 41.5144)
contains.

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Color

**XYZ(23.7179, 33.0397,
41.6864)**

Conversions

Conversions Part 1

Format	Color
Hex	41ABA7
RGB	65, 171, 167
RGB Percent	25%, 67%, 65%
CMY	0.7451, 0.3294, 0.3451
CMYK	0.62, 0.00, 0.02, 0.33
HSL	178°, 45%, 46%
HSV	178°, 62%, 67%
XYZ	23.7179, 33.0397, 41.6864
YIQ	138.8500, -61.8920, -23.7160

Conversions

Conversions Part 2

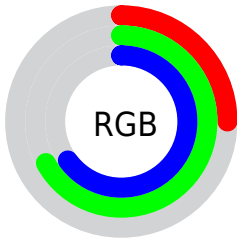
Format	Color
RYB	65, 119, 171
Decimal	4303783
CIELab	64.19, -30.87, -6.96
CIELCh	64, 31.648, 192.706
Yxy	33.0397, 0.2409, 0.3356
Android (android.graphics.Color)	4282493863 (0xFF41ABA7)
YUV	138.8500, 13.8780, -64.7664
Hunter-Lab	57.4802, -26.9363, -2.7628

Details


The XYZ color **23.7179, 33.0397, 41.6864** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.7601, 12.8691, 7.0737**, and the grayscale version is **24.4492, 25.7225, 28.0118**.

A 20% lighter version of the original color is **49.1113, 64.5721, 78.9825**, and **9.5729, 14.1947, 18.4550** is the 20% darker color. If you saturate the color by 10%, you get **22.6935, 32.5192, 41.3284**, and if you desaturate by 10%, it is **25.0873, 33.7395, 42.0636**.

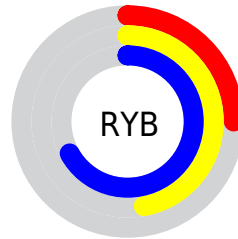
Distribution



 Red (25%)

 Green (67%)

 Blue (65%)




 Red (25%)

 Yellow (47%)

 Blue (67%)

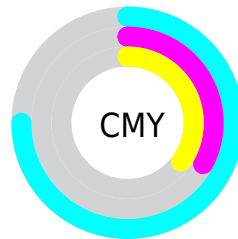



 Cyan (62%)


 Magenta (0%)

 Yellow (2%)

 Black (33%)



 Cyan (75%)


 Magenta (33%)


 Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7179, 33.0397, 41.6864 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 23.7179, 33.0397, 41.6864 by changing the saturation by 10% instead.


 23.7179, 33.0397,
41.6864


 23.7179, 33.0397,
41.6864


263.8582,
315.8286, 368.9425


 15.2481, 22.1569,
28.5321


 49.0275, 64.4375,
78.9897


 9.0811, 13.9722,
18.4846


 66.5980, 85.7213,
103.9758


 4.8517, 8.1013,
11.1254


 87.9328, 111.2408,
133.7430

 2.1944, 4.1599,
6.0360

 113.3972,
141.3804, 168.7096

 0.7398, 1.7634,
2.7979

 143.3566,
176.5247, 209.2944

 0.0000, 0.4642,
0.9924

178.1763,

 0.0000, 0.0000,

217.0578, 255.9157

0.0000

218.2217,
263.3643, 308.9923

■ 23.7179, 33.0397,
41.6864

■ 23.7179, 33.0397,
41.6864

■ 22.6935, 32.5192,
41.3284

■ 25.0873, 33.7395,
42.0636

■ 21.9790, 32.1577,
40.9857

■ 26.8266, 34.6292,
42.4589

■ 21.5374, 31.9369,
40.6573

■ 28.9622, 35.7231,
42.8743

■ 21.3138, 31.8271,
40.4014

■ 31.5168, 37.0331,
43.3110

■ 34.5118, 38.5700,
43.7697

■ 37.9669, 40.3441,
44.2516

■ 41.9007, 42.3649,
44.7575

■ 46.3307, 44.6415,
45.2881

■ 51.2735, 47.1824,
45.8443

Harmonies

Analogous

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



23.8664, 33.0397, 29.1193



23.7179, 33.0397, 41.6864



25.4816, 33.0397, 55.4653

Triad

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



23.7179, 33.0397, 41.6864



37.6244, 33.0397, 57.3524



34.0379, 33.0397, 17.1672

Complementary

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



23.7179, 33.0397, 41.6864



19.7601, 12.8691, 7.0737

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.



38.1778, 33.0397, 21.6862



23.7179, 33.0397, 41.6864



40.3800, 33.0397, 43.8293

Square

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



23.7179, 33.0397, 41.6864



33.3390, 33.0397, 65.8547



40.5917, 33.0397, 30.8100



29.5439, 33.0397, 16.8566

Rectangle

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



23.7179, 33.0397, 41.6864



27.6116, 33.0397, 62.6963



40.5917, 33.0397, 30.8100



35.5270, 33.0397, 18.1842

Sweetspot

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



23.7189, 33.0410, 41.6872



57.7863, 67.0111, 77.7786



18.0655, 30.8221, 9.9988



12.5721, 14.7824, 17.2948



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.



23.7189, 33.0410, 41.6872



40.1576, 57.9928, 73.8073



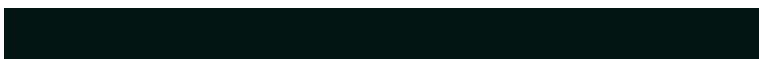
16.6519, 18.3057, 41.1853



8.2231, 9.0668, 10.1997



16.0714, 23.9938, 30.4794



0.4510, 0.6691, 0.8687

Inverse Universe

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



19.7601, 12.8691, 7.0737



32.4973, 18.8688, 6.7617



23.6216, 20.7842, 7.7684



8.0170, 8.0201, 8.4006



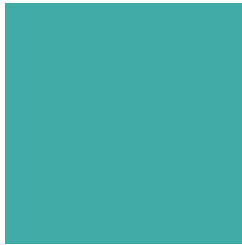
12.6918, 6.5393, 0.7564



0.3570, 0.1835, 0.0415

Previews

White Background



This preview shows how the XYZ color 23.7179, 33.0397, 41.6864 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 23.7179, 33.0397, 41.6864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

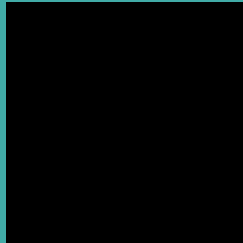
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.7179, 33.0397, 41.6864

Background



This preview shows how black text looks on a background with the XYZ color 23.7179, 33.0397, 41.6864.

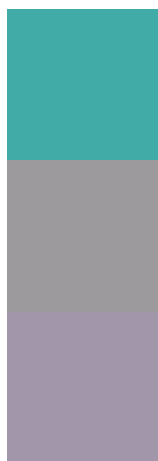


This preview shows how white text looks on a background with the XYZ color 23.7179, 33.0397,

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

23.7179, 33.0397, 41.6864

Protanopia

31.5460, 32.7136, 36.5500

Deuteranopia

33.1573, 32.4343, 43.0410



Tritanopia

25.3040, 33.1311, 49.3172

Trichromacy



Original Color

23.7179, 33.0397, 41.6864

Protanomaly

27.3160, 31.9999, 38.4551

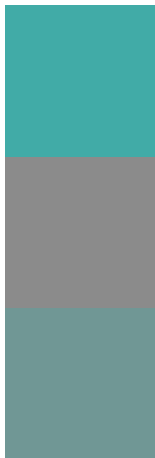
Deuteranomaly

28.2350, 31.8680, 42.6932

Tritanomaly

24.7648, 33.1890, 46.6958

Monochromacy



Original Color

23.7179, 33.0397, 41.6864

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

23.1735, 27.7479, 32.5683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7179, 33.0397, 41.6864 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(65, 171, 167)` looks like.

```
.text, #text, p{  
    color:rgb(65, 171, 167)  
}
```

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(65, 171, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 171, 167) }
```

Border

The CSS property to change the border of an element to XYZ 23.7179, 33.0397, 41.6864 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(65, 171, 167) }
```


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

```
.border{ border-color:rgb(65, 171, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 171, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 171, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 171, 167);  
box-shadow:4px 4px 4px 4px rgb(65, 171,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7179, 33.0397, 41.6864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 171, 167) }
```

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

```
.background{ background-color: rgb(65, 171,  
167) }
```

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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