

Converting Colors

XYZ(23.9640, 33.0440, 47.2346)

Have a look what the booklet for
XYZ(23.9640, 33.0440, 47.2346)
contains.

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Color

**XYZ(23.9640, 33.0440,
47.2346)**

Conversions

Conversions Part 1

Format	Color
Hex	33ABB2
RGB	51, 171, 178
RGB Percent	20%, 67%, 70%
CMY	0.8000, 0.3294, 0.3020
CMYK	0.71, 0.04, 0.00, 0.30
HSL	183°, 55%, 45%
HSV	183°, 71%, 70%
XYZ	23.9640, 33.0440, 47.2346
YIQ	135.9180, -73.7670, -23.2630

Conversions

Conversions Part 2

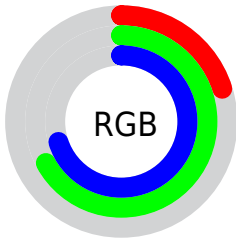
Format	Color
RYB	51, 113, 178
Decimal	3386290
CIELab	64.20, -29.80, -13.13
CIELCh	64, 32.568, 203.779
Yxy	33.0440, 0.2299, 0.3170
Android (android.graphics.Color)	4281576370 (0xFF33ABB2)
YUV	135.9180, 20.7464, -74.4731
Hunter-Lab	57.4839, -26.1834, -8.4799

Details

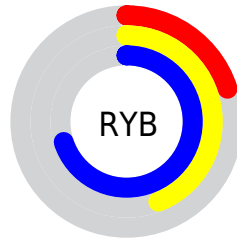
The XYZ color **23.9640, 33.0440, 47.2346** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.4714, 12.7309, 4.5111**, and the grayscale version is **23.3169, 24.5311, 26.7144**.

A 20% lighter version of the original color is **49.5228, 64.5917, 87.6992**, and **10.1801, 14.4375, 21.6522** is the 20% darker color. If you saturate the color by 10%, you get **23.0486, 32.2988, 47.1396**, and if you desaturate by 10%, it is **25.2260, 33.9714, 47.3477**.

Distribution



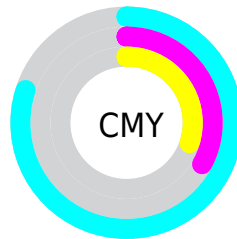
- Red (20%)
- Green (67%)
- Blue (70%)



- Red (20%)
- Yellow (44%)
- Blue (70%)



- Cyan (71%)
- Magenta (4%)
- Yellow (0%)
- Black (30%)



- Cyan (80%)
- Magenta (33%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9640, 33.0440, 47.2346 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 23.9640, 33.0440, 47.2346 by changing the saturation by 10% instead.

■ 23.9640, 33.0440,
47.2346

■ 23.9640, 33.0440,
47.2346

265.0823,
315.8480, 392.1710

■ 15.4315, 22.1602,
32.8655

■ 49.4265, 64.4442,
87.4173

■ 9.2111, 13.9746,
21.7531

■ 67.0873, 85.7294,
114.0681

■ 4.9373, 8.1030,
13.4790

■ 88.5216, 111.2504,
145.6497

■ 2.2449, 4.1609,
7.6246

■ 114.0946,
141.3918, 182.5808

■ 0.7663, 1.7640,
3.7714

■ 144.1719,
176.5378, 225.2800

■ 0.0000, 0.4646,
1.5008

179.1187,

■ 0.0000, 0.0000,

217.0729, 274.1657

0.2185

219.3003,
263.3815, 329.6565

■ 0.0000, 0.0000,
0.0000

■ 23.9640, 33.0440,
47.2346

■ 23.9640, 33.0440,
47.2346

■ 23.0486, 32.2988,
47.1396

■ 25.2260, 33.9714,
47.3477

■ 22.4353, 31.7105,
47.0584

■ 26.8667, 35.0953,
47.4782

■ 22.0741, 31.2905,
46.9964

■ 28.9179, 36.4330,
47.6282

■ 31.4071, 37.9985,
47.7992

■ 34.3597, 39.8049,
47.9923

■ 37.7989, 41.8642,
48.2085

■ 41.7463, 44.1877,
48.4489

■ 46.2226, 46.7858,
48.7145

■ 51.2468, 49.6684,
49.0061

Harmonies

Analogous

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



23.3832, 33.0440, 33.2939



23.9640, 33.0440, 47.2346



26.4484, 33.0440, 60.6338

Triad

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



23.9640, 33.0440, 47.2346



39.1271, 33.0440, 53.1902



32.3792, 33.0440, 16.1614

Complementary

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



23.9640, 33.0440, 47.2346



20.4714, 12.7309, 4.5111

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.



36.9504, 33.0440, 19.1195



23.9640, 33.0440, 47.2346



41.0846, 33.0440, 38.8053

Square

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



23.9640, 33.0440, 47.2346



35.1244, 33.0440, 64.6197



40.2515, 33.0440, 26.6711



27.9622, 33.0440, 17.3683

Rectangle

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



23.9640, 33.0440, 47.2346



28.9922, 33.0440, 66.3280



40.2515, 33.0440, 26.6711



33.9530, 33.0440, 16.6726

Sweetspot

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



23.9650, 33.0452, 47.2354



62.2974, 72.1761, 87.0291



18.0337, 32.8442, 9.3068



13.4597, 15.7829, 19.2593



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.



23.9650, 33.0452, 47.2354



41.0538, 57.8845, 85.3902



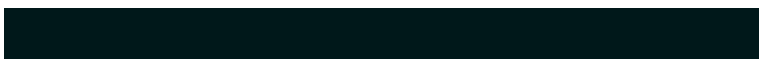
14.7805, 14.6761, 44.1739



8.7018, 9.5497, 10.8910



15.8093, 22.4190, 33.6311



0.5095, 0.7295, 1.0622

Inverse Universe

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



26.8954, 14.7738, 39.9635



46.8828, 23.4469, 70.4979



25.7777, 23.3434, 6.2799



8.8294, 8.6385, 10.6001



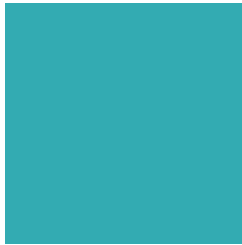
18.2145, 8.8033, 27.3531



0.5792, 0.2794, 0.8927

Previews

White Background



This preview shows how the XYZ color 23.9640, 33.0440, 47.2346 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 23.9640, 33.0440, 47.2346 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 23.9640, 33.0440, 47.2346

Background



This preview shows how black text looks on a background with the XYZ color 23.9640, 33.0440, 47.2346.

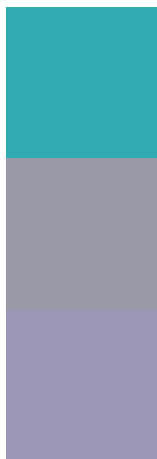


This preview shows how white text looks on a background with the XYZ color 23.9640, 33.0440,

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

23.9640, 33.0440, 47.2346

Protanopia

31.6927, 32.4425, 41.1509

Deuteranopia

33.2204, 32.5785, 48.7934



Tritanopia

24.6020, 33.0224, 50.4247

Trichromacy



Original Color

23.9640, 33.0440, 47.2346

Protanomaly

27.2576, 31.8638, 43.2418

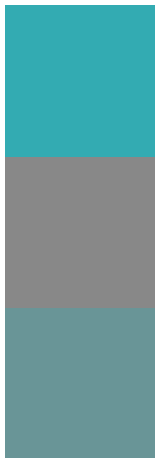
Deuteranomaly

28.0386, 31.6415, 48.3457

Tritanomaly

24.3395, 32.9111, 49.3256

Monochromacy



Original Color

23.9640, 33.0440, 47.2346

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.1591, 26.7325, 33.2701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9640, 33.0440, 47.2346 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(51, 171, 178)` looks like.

```
.text, #text, p{  
    color:rgb(51, 171, 178)  
}
```

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(51, 171, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 171, 178) }
```

Border

The CSS property to change the border of an element to XYZ 23.9640, 33.0440, 47.2346 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(51, 171, 178) }
```


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

```
.border{ border-color:rgb(51, 171, 178) }
```

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

Here you see how a box with a 4 pixel rgb(51, 171, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 171, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 171, 178);  
box-shadow:4px 4px 4px 4px rgb(51, 171,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9640, 33.0440, 47.2346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 171, 178) }
```

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

```
.background{ background-color: rgb(51, 171,  
178) }
```

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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