

Converting Colors

XYZ(32.4839, 40.3585, 47.6705)

Have a look what the booklet for
XYZ(32.4839, 40.3585, 47.6705)
contains.

XYZ(32.4857, 40.3596, 47.6730)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.4857, 40.3596,
47.6730)**

Conversions

Conversions Part 1

Format	Color
Hex	7AB5B1
RGB	122, 181, 177
RGB Percent	48%, 71%, 69%
CMY	0.5216, 0.2902, 0.3059
CMYK	0.33, 0.00, 0.02, 0.29
HSL	176°, 29%, 59%
HSV	176°, 33%, 71%
XYZ	32.4857, 40.3596, 47.6730
YIQ	162.9030, -33.8800, -13.7520

Conversions

Conversions Part 2

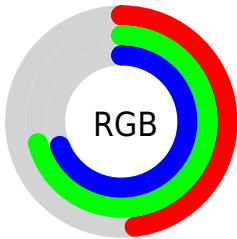
Format	Color
RYB	122, 153, 181
Decimal	8041905
CIELab	69.72, -19.92, -4.07
CIELCh	70, 20.328, 191.540
Yxy	40.3596, 0.2695, 0.3349
Android (android.graphics.Color)	4286231985 (0xFF7AB5B1)
YUV	162.9030, 6.9498, -35.8719
Hunter-Lab	63.5292, -19.9000, -0.0214

Details

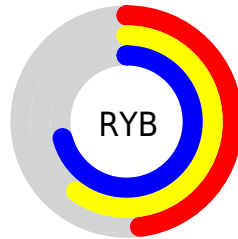
The XYZ color **32.4857, 40.3596, 47.6730** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.7828, 25.2503, 23.0442**, and the grayscale version is **34.7476, 36.5572, 39.8108**.

A 20% lighter version of the original color is **62.8967, 75.6817, 88.3838**, and **13.9466, 18.2211, 22.1840** is the 20% darker color. If you saturate the color by 10%, you get **30.0362, 39.1119, 46.9232**, and if you desaturate by 10%, it is **35.4160, 41.8570, 48.4528**.

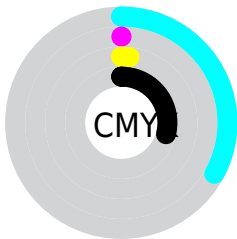
Distribution



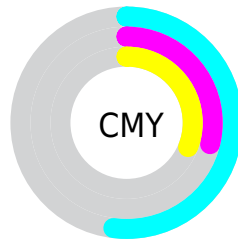
- Red (48%)
- Green (71%)
- Blue (69%)



- Red (48%)
- Yellow (60%)
- Blue (71%)



- Cyan (33%)
- Magenta (0%)
- Yellow (2%)
- Black (29%)



- Cyan (52%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4857, 40.3596, 47.6730 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 32.4857, 40.3596, 47.6730 by changing the saturation by 10% instead.

■ 32.4857, 40.3596,
47.6730

■ 32.4857, 40.3596,
47.6730

305.0320,
347.6369, 393.9658

■ 21.8901, 27.8190,
33.2099

■ 62.9318, 75.7108,
88.0778

■ 13.8923, 18.1893,
22.0148

■ 83.5130, 99.2902,
114.8565

■ 8.1270, 11.0860,
13.6694

■ 108.1535,
127.3180, 146.5776

■ 4.2288, 6.1247,
7.7550

137.2186,
160.1786, 183.6594

■ 1.8324, 2.9210,
3.8530

171.0736,
198.2564, 226.5206

■ 0.5371, 1.0907,
1.5451

210.0839,

■ 0.0000, 0.0000,

241.9358, 275.5797

0.2512

254.6150,
291.6012, 331.2552

■ 0.0000, 0.0000,
0.0000

■ 32.4857, 40.3596,
47.6730

■ 32.4857, 40.3596,
47.6730

■ 30.0362, 39.1119,
46.9232

■ 35.4160, 41.8570,
48.4528

■ 28.0374, 38.0955,
46.1994

■ 38.8481, 43.6120,
49.2609

■ 26.4613, 37.2968,
45.5011

■ 42.8059, 45.6379,
50.0994

■ 25.2754, 36.6991,
44.8268

■ 47.3109, 47.9457,
50.9693

■ 24.4424, 36.2833,
44.1746

■ 52.3833, 50.5459,
51.8716

■ 23.9177, 36.0262,
43.5426

■ 58.0423, 53.4484,
52.8071

■ 23.6603, 35.9034,
43.0844

■ 64.3063, 56.6626,
53.7768

■ 66.7153, 57.8894,
54.5720

■ 66.8471, 57.9421,
55.2664

Harmonies

Analogous

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



32.6630, 40.3596, 38.4498



32.4857, 40.3596, 47.6730



33.8142, 40.3596, 57.0992

Triad

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



32.4857, 40.3596, 47.6730



42.7142, 40.3596, 58.9616



40.4004, 40.3596, 28.8917

Complementary

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



32.4857, 40.3596, 47.6730



29.7828, 25.2503, 23.0442

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.



43.2973, 40.3596, 32.9838



32.4857, 40.3596, 47.6730



44.6849, 40.3596, 49.9397

Square

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



32.4857, 40.3596, 47.6730



39.6412, 40.3596, 64.2120



44.9042, 40.3596, 40.4161



37.1079, 40.3596, 28.4656

Rectangle

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



32.4857, 40.3596, 47.6730



35.4219, 40.3596, 61.8910



44.9042, 40.3596, 40.4161



41.4575, 40.3596, 29.8536

Sweetspot

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



32.4869, 40.3612, 47.6739



71.2073, 78.9411, 88.5815



28.7779, 38.9601, 24.4164



15.1881, 16.9584, 19.1013



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.



32.4869, 40.3612, 47.6739



54.9984, 70.6603, 84.4260



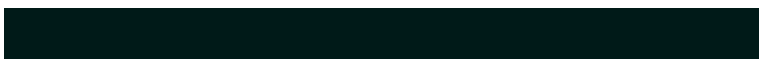
28.3262, 31.3921, 48.2842



8.7173, 9.6214, 10.7708



16.3206, 24.7542, 29.7547



0.5209, 0.7818, 0.9751

Inverse Universe

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



29.7828, 25.2503, 23.0442



49.4172, 39.4508, 33.5747



32.9393, 31.9683, 22.8476



8.5190, 8.5143, 8.9653



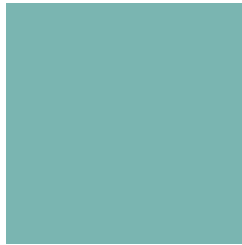
13.1937, 6.7950, 0.9142



0.4228, 0.2169, 0.0692

Previews

White Background



This preview shows how the XYZ color 32.4857, 40.3596, 47.6730 looks on a white background.

Color Contrast Check

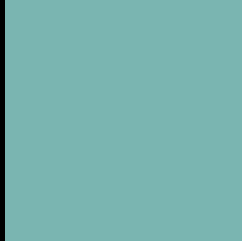
Large Text (above 18pt) WCAG AA × Fail

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 32.4857, 40.3596, 47.6730 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

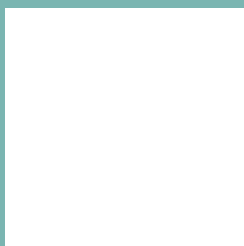
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4857, 40.3596, 47.6730

Background



This preview shows how black text looks on a background with the XYZ color 32.4857, 40.3596, 47.6730.

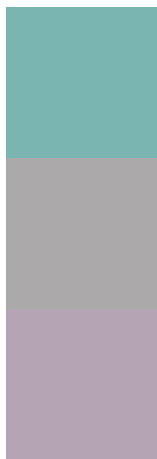


This preview shows how white text looks on a background with the XYZ color 32.4857, 40.3596,

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

32.4857, 40.3596, 47.6730

Protanopia

38.4569, 40.0489, 43.7335

Deuteranopia

40.7494, 40.0293, 48.7587



Tritanopia

34.3499, 40.5261, 56.4640

Trichromacy



Original Color

32.4857, 40.3596, 47.6730

Protanomaly

35.8128, 39.7743, 45.3248

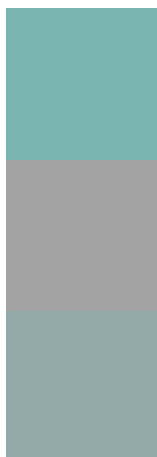
Deuteranomaly

37.1968, 39.8541, 48.3799

Tritanomaly

33.7483, 40.5903, 53.0697

Monochromacy



Original Color

32.4857, 40.3596, 47.6730

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.6554, 37.8725, 42.5821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4857, 40.3596, 47.6730 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(122, 181, 177)` looks like.

```
.text, #text, p{  
    color:rgb(122, 181, 177)  
}
```

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(122, 181, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 181, 177) }
```

Border

The CSS property to change the border of an element to XYZ 32.4857, 40.3596, 47.6730 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(122, 181, 177) }
```


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

```
.border{ border-color:rgb(122, 181, 177) }
```

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

Here you see how a box with a 4 pixel rgb(122, 181, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 181, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 181, 177);  
box-shadow:4px 4px 4px 4px rgb(122, 181,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4857, 40.3596, 47.6730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 181, 177) }
```

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

```
.background{ background-color: rgb(122,  
181, 177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor