

Converting Colors

XYZ(32.4756, 38.9431, 47.0950)

Have a look what the booklet for
XYZ(32.4756, 38.9431, 47.0950)
contains.

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Color

**XYZ(32.4151, 38.8524,
46.8651)**

Conversions

Conversions Part 1

Format	Color
Hex	81B0B0
RGB	129, 176, 176
RGB Percent	51%, 69%, 69%
CMY	0.4941, 0.3098, 0.3098
CMYK	0.27, 0.00, 0.00, 0.31
HSL	180°, 23%, 60%
HSV	180°, 27%, 69%
XYZ	32.4151, 38.8524, 46.8651
YIQ	161.9470, -28.0120, -9.9640

Conversions

Conversions Part 2

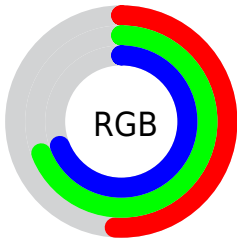
Format	Color
RYB	129, 153, 176
Decimal	8499376
CIELab	68.64, -15.51, -5.07
CIElCh	69, 16.319, 198.090
Yxy	38.8524, 0.2744, 0.3289
Android (android.graphics.Color)	4286689456 (0xFF81B0B0)
YUV	161.9470, 6.9281, -28.8945
Hunter-Lab	62.3317, -16.2530, -0.9460

Details

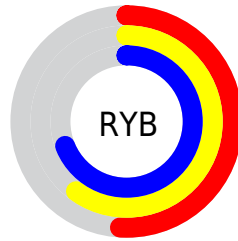
The XYZ color **32.4151, 38.8524, 46.8651** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.7186, 26.5168, 24.3224**, and the grayscale version is **34.2968, 36.0829, 39.2942**.

A 20% lighter version of the original color is **62.9505, 73.6067, 87.2336**, and **13.8629, 17.2409, 21.6659** is the 20% darker color. If you saturate the color by 10%, you get **29.9688, 37.5923, 46.7510**, and if you desaturate by 10%, it is **35.3242, 40.3531, 47.0025**.

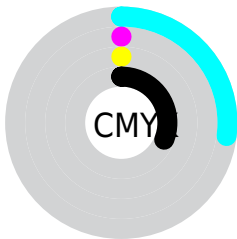
Distribution



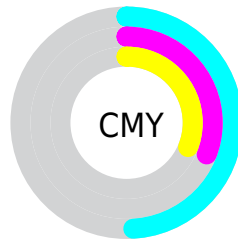
- Red (51%)
- Green (69%)
- Blue (69%)



- Red (51%)
- Yellow (60%)
- Blue (69%)



- Cyan (27%)
- Magenta (0%)
- Yellow (0%)
- Black (31%)



- Cyan (49%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4151, 38.8524, 46.8651 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 32.4151, 38.8524, 46.8651 by changing the saturation by 10% instead.

■ 32.4151, 38.8524,
46.8651

■ 32.4151, 38.8524,
46.8651

304.7176,
341.2626, 390.6540

■ 21.8358, 26.6449,
32.5754

■ 62.8221, 73.4128,
86.8601

■ 13.8523, 17.3067,
21.5330

■ 83.3805, 96.5345,
113.4025

■ 8.0990, 10.4534,
13.3191

■ 107.9960,
124.0630, 144.8663

■ 4.2107, 5.7006,
7.5153

137.0340,
156.3828, 181.6699

■ 1.8220, 2.6639,
3.7031

170.8598,
193.8783, 224.2319

■ 0.5309, 0.9589,
1.4639

209.8388,

■ 0.0000, 0.0000,

236.9338, 272.9709

0.1908

254.3363,
285.9338, 328.3054

■ 0.0000, 0.0000,
0.0000

■ 32.4151, 38.8524,
46.8651

■ 32.4151, 38.8524,
46.8651

■ 29.9688, 37.5923,
46.7510

■ 35.3242, 40.3531,
47.0025

■ 27.9582, 36.5558,
46.6565

■ 38.7146, 42.1009,
47.1616

■ 26.3589, 35.7313,
46.5812

■ 42.6079, 44.1079,
47.3442

■ 25.1424, 35.1042,
46.5239

■ 47.0234, 46.3842,
47.5513

■ 24.2767, 34.6579,
46.4829

■ 51.9795, 48.9392,
47.7837

■ 23.7247, 34.3734,
46.4567

■ 57.4936, 51.7818,
48.0421

■ 23.4346, 34.2239,
46.4427

■ 63.5823, 54.9206,
48.3275

■ 23.3620, 34.1864,
46.4392

■ 64.6033, 55.4469,
48.3757

■ 64.6033, 55.4469,
48.3761

Harmonies

Analogous

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



32.2885, 38.8524, 39.4419



32.4151, 38.8524, 46.8651



33.7160, 38.8524, 53.7683

Triad

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



32.4151, 38.8524, 46.8651



40.7399, 38.8524, 52.5089



37.9602, 38.8524, 29.8815

Complementary

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



32.4151, 38.8524, 46.8651



29.7186, 26.5168, 24.3224

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.



40.3379, 38.8524, 32.5968



32.4151, 38.8524, 46.8651



41.9920, 38.8524, 45.3006

Square

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



32.4151, 38.8524, 46.8651



38.4882, 38.8524, 57.2786



41.8415, 38.8524, 38.0482



35.4106, 38.8524, 30.1966

Rectangle

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



32.4151, 38.8524, 46.8651



35.1097, 38.8524, 56.8835



41.8415, 38.8524, 38.0482



38.8082, 38.8524, 30.4558

Sweetspot

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



32.4162, 38.8540, 46.8660



69.2746, 75.8704, 85.4880



28.6617, 37.3660, 26.4715



14.8075, 16.3364, 18.5170



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



32.4162, 38.8540, 46.8660



56.0921, 69.0746, 84.8691



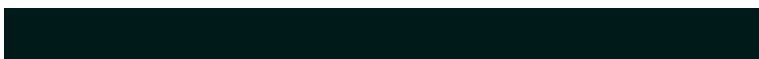
28.3286, 30.6783, 45.5045



8.7427, 9.6316, 10.9045



17.1404, 25.0821, 34.0718



0.5393, 0.7892, 1.0721

Inverse Universe

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



29.7186, 26.5168, 24.3224



50.3775, 42.9399, 37.1137



33.0507, 33.1811, 25.4324



8.4964, 8.5053, 8.8465



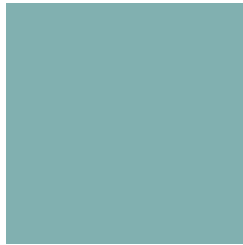
13.1369, 6.7723, 0.6150



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 32.4151, 38.8524, 46.8651 looks on a white background.

Color Contrast Check

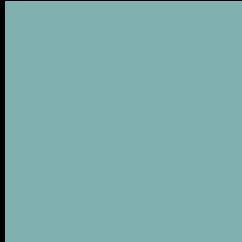
Large Text (above 18pt) WCAG AA × Fail

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 32.4151, 38.8524, 46.8651 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

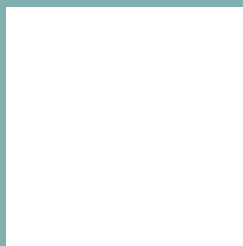
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4151, 38.8524, 46.8651

Background



This preview shows how black text looks on a background with the XYZ color 32.4151, 38.8524, 46.8651.



This preview shows how white text looks on a background with the XYZ color 32.4151, 38.8524,

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

32.4151, 38.8524, 46.8651

Protanopia

37.2541, 38.6097, 43.5191

Deuteranopia

39.4171, 38.5603, 48.0132



Tritanopia

33.7289, 38.8085, 53.2900

Trichromacy



Original Color

32.4151, 38.8524, 46.8651

Protanomaly

35.1475, 38.5980, 44.6274

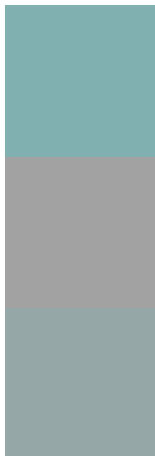
Deuteranomaly

36.3518, 38.3254, 47.6011

Tritanomaly

33.3418, 38.9459, 51.1074

Monochromacy



Original Color

32.4151, 38.8524, 46.8651

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.3714, 36.9115, 41.9250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4151, 38.8524, 46.8651 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(129, 176, 176)` looks like.

```
.text, #text, p{  
    color:rgb(129, 176, 176)  
}
```

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(129, 176, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 176, 176) }
```

Border

The CSS property to change the border of an element to XYZ 32.4151, 38.8524, 46.8651 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(129, 176, 176) }
```


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

```
.border{ border-color:rgb(129, 176, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 176, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 176, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 176, 176);  
box-shadow:4px 4px 4px 4px rgb(129, 176,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4151, 38.8524, 46.8651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 176, 176) }
```

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

```
.background{ background-color: rgb(129,  
176, 176) }
```

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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