

# Converting Colors

XYZ(32.2513, 39.5450, 51.2850)

Have a look what the booklet for  
XYZ(32.2513, 39.5450, 51.2850)  
contains.

<b>XYZ(32.2430, 39.5524, 51.2824)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(32.2430, 39.5524,  
51.2824)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76B3B8
RGB	118, 179, 184
RGB Percent	46%, 70%, 72%
CMY	0.5372, 0.2980, 0.2784
CMYK	0.36, 0.03, 0.00, 0.28
HSL	185°, 32%, 59%
HSV	185°, 36%, 72%
XYZ	32.2430, 39.5524, 51.2824
YIQ	161.3310, -37.9610, -11.3770

# Conversions

## Conversions Part 2

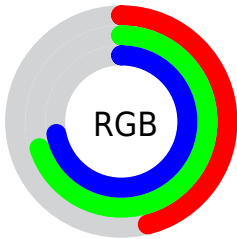
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	118, 150, 184
Decimal	7779256
CIE <sub>Lab</sub>	69.15, -18.31, -8.80
CIE <sub>LCh</sub>	69, 20.315, 205.666
Y <sub>xy</sub>	39.5524, 0.2620, 0.3214
Android (android.graphics.Color)	4285969336 (0xFF76B3B8)
YUV	161.3310, 11.1758, -38.0013
Hunter-Lab	62.8907, -18.5448, -4.3228

# Details

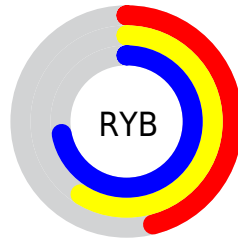
The XYZ color **32.2430, 39.5524, 51.2824** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.1207, 25.6647, 20.5066**, and the grayscale version is **33.9934, 35.7637, 38.9467**.

A 20% lighter version of the original color is **62.6701, 74.5922, 93.5327**, and **13.7376, 17.6842, 24.1621** is the 20% darker color. If you saturate the color by 10%, you get **29.7064, 37.8332, 51.0849**, and if you desaturate by 10%, it is **35.2722, 41.5317, 51.5055**.

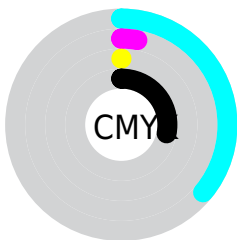
# Distribution



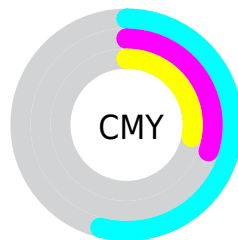
- Red (46%)
- Green (70%)
- Blue (72%)



- Red (46%)
- Yellow (59%)
- Blue (72%)



- Cyan (36%)
- Magenta (3%)
- Yellow (0%)
- Black (28%)



- Cyan (54%)
- Magenta (30%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2430, 39.5524, 51.2824 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 32.2430, 39.5524, 51.2824 by changing the saturation by 10% instead.



■ 32.2430, 39.5524,  
51.2824

■ 32.2430, 39.5524,  
51.2824

303.9504,  
344.2334, 408.5378

■ 21.7036, 27.1897,  
36.0551

■ 62.5545, 74.4814,  
93.4878

■ 13.7547, 17.7158,  
24.1867

■ 83.0573, 97.8166,  
121.3031

■ 8.0308, 10.7461,  
15.2587

■ 107.6119,  
125.5780, 154.1514

■ 4.1666, 5.8964,  
8.8525

136.5838,  
158.1502, 192.4513

■ 1.7968, 2.7822,  
4.5496

170.3382,  
195.9174, 236.6214

■ 0.5158, 1.0191,  
1.9314

209.2405,

■ 0.0000, 0.0000,

239.2640, 287.0801

0.5126

253.6561,  
288.5746, 344.2461

■ 0.0000, 0.0000,  
0.0000

■ 32.2430, 39.5524,  
51.2824

■ 32.2430, 39.5524,  
51.2824

■ 29.7064, 37.8332,  
51.0849

■ 35.2722, 41.5317,  
51.5055

■ 27.6304, 36.3546,  
50.9090

■ 38.8166, 43.7798,  
51.7526

■ 25.9847, 35.1021,  
50.7539

■ 42.9017, 46.3109,  
52.0258

■ 24.7340, 34.0573,  
50.6182

■ 47.5503, 49.1367,  
52.3262

■ 23.8373, 33.1991,  
50.4998

■ 52.7838, 52.2682,  
52.6548

■ 23.2425, 32.5008,  
50.3964

■ 58.6225, 55.7160,  
53.0126

■ 23.0391, 32.2353,  
50.3558

■ 65.0858, 59.4900,  
53.4004

■ 68.3380, 61.6130,  
53.6388

■ 68.6415, 62.2201,  
53.7400

# Harmonies

## Analogous

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



31.7061, 39.5524, 41.7290



32.2430, 39.5524, 51.2824



34.1814, 39.5524, 59.5795

# Triad

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



32.2430, 39.5524, 51.2824



42.9872, 39.5524, 53.9564



38.0671, 39.5524, 27.5860

# Complementary

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



32.2430, 39.5524, 51.2824



30.1207, 25.6647, 20.5066

# 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.



41.2252, 39.5524, 29.9258



32.2430, 39.5524, 51.2824



44.1677, 39.5524, 44.4310

# Square

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



32.2430, 39.5524, 51.2824



40.3624, 39.5524, 61.2726



43.5051, 39.5524, 35.7774



34.9540, 39.5524, 28.8784



# Rectangle

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



32.2430, 39.5524, 51.2824



36.0690, 39.5524, 62.8127



43.5051, 39.5524, 35.7774



39.1601, 39.5524, 27.9633

# Sweetspot

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



32.2442, 39.5540, 51.2833



73.7091, 81.4458, 94.0403



28.1502, 39.5484, 24.6933



15.6790, 17.4269, 20.2590



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



32.2442, 39.5540, 51.2833



54.7664, 69.2143, 92.6778



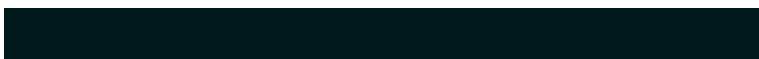
26.4954, 28.0564, 49.3671



9.2069, 10.0911, 11.5420



15.9012, 22.2621, 34.7120



0.5780, 0.8196, 1.2295



# Inverse Universe

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



34.3832, 26.4028, 45.9336



59.2769, 42.0790, 81.2632



34.8260, 35.0753, 22.0751



9.3508, 9.1507, 11.1947



18.6399, 9.0297, 27.0541

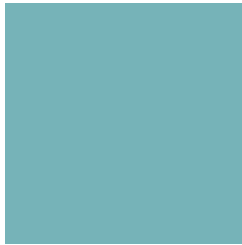


0.6659, 0.3218, 1.0000



# Previews

## White Background



This preview shows how the XYZ color 32.2430, 39.5524, 51.2824 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

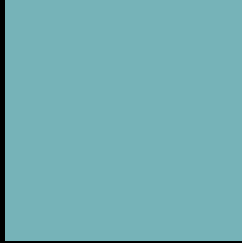
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 32.2430, 39.5524, 51.2824 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

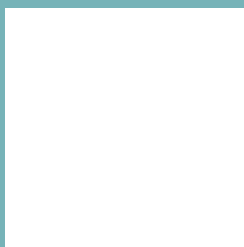
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 32.2430, 39.5524, 51.2824**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.2430, 39.5524, 51.2824.



This preview shows how white text looks on a background with the XYZ color 32.2430, 39.5524,



# 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

32.2430, 39.5524, 51.2824

### Protanopia

38.1167, 39.2468, 47.1614

### Deuteranopia

40.1496, 39.3689, 52.4966



## **Tritanopia**

33.1806, 39.6396, 55.7716

# Trichromacy



## Original Color

32.2430, 39.5524, 51.2824

## Protanomaly

35.3788, 38.9051, 48.8248

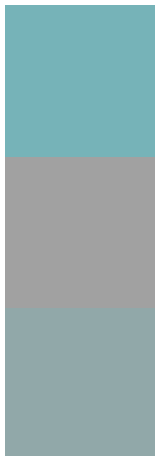
## Deuteranomaly

36.5685, 38.8897, 52.0335

## Tritanomaly

32.7135, 39.4369, 54.0320

# Monochromacy



## Original Color

32.2430, 39.5524, 51.2824

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

32.8411, 36.8896, 42.9256

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.2430, 39.5524, 51.2824 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(118, 179, 184)` looks like.

```
.text, #text, p{  
    color:rgb(118, 179, 184)  
}
```

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(118, 179, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 179, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 32.2430, 39.5524, 51.2824 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(118, 179, 184) }
```



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

```
.border{ border-color:rgb(118, 179, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 179, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 179, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 179, 184);  
box-shadow:4px 4px 4px 4px rgb(118, 179,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.2430, 39.5524, 51.2824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 179, 184) }
```

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

```
.background{ background-color: rgb(118,  
179, 184) }
```

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