

# Converting Colors

XYZ(30.9541, 35.1912, 44.1469)

Have a look what the booklet for  
XYZ(30.9541, 35.1912, 44.1469)  
contains.

<b>XYZ(30.8932, 35.0397, 44.1648)</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(30.8932, 35.0397,  
44.1648)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87A5AC
RGB	135, 165, 172
RGB Percent	53%, 65%, 67%
CMY	0.4706, 0.3529, 0.3255
CMYK	0.22, 0.04, 0.00, 0.33
HSL	191°, 18%, 60%
HSV	191°, 22%, 67%
XYZ	30.8932, 35.0397, 44.1648
YIQ	156.8280, -20.1270, -4.1830

# Conversions

## Conversions Part 2

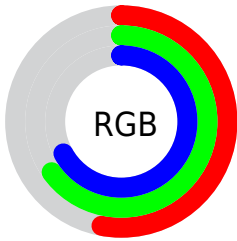
Format	Color
<b>RYB</b>	135, 152, 172
Decimal	8889772
CIELab	65.78, -8.72, -7.05
CIELCh	66, 11.213, 218.949
Yxy	35.0397, 0.2806, 0.3183
Android (android.graphics.Color)	4287079852 (0xFF87A5AC)
YUV	156.8280, 7.4798, -19.1432
Hunter-Lab	59.1943, -10.4319, -2.8001

# Details

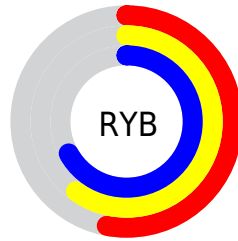
The XYZ color **30.8932, 35.0397, 44.1648** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.0598, 29.8661, 27.0501**, and the grayscale version is **31.9453, 33.6089, 36.6001**.

A 20% lighter version of the original color is **60.4446, 67.5513, 82.5260**, and **12.9514, 15.0511, 19.9918** is the 20% darker color. If you saturate the color by 10%, you get **27.7672, 32.5690, 43.8532**, and if you desaturate by 10%, it is **34.4833, 37.7736, 44.5038**.

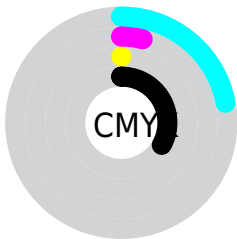
# Distribution



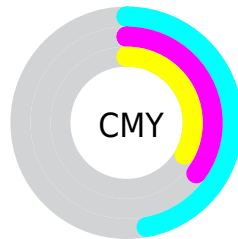
- Red (53%)
- Green (65%)
- Blue (67%)



- Red (53%)
- Yellow (60%)
- Blue (67%)



- Cyan (22%)
- Magenta (4%)
- Yellow (0%)
- Black (33%)



- Cyan (47%)
- Magenta (35%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8932, 35.0397, 44.1648 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 30.8932, 35.0397, 44.1648 by changing the saturation by 10% instead.



■ 30.8932, 35.0397,  
44.1648

■ 30.8932, 35.0397,  
44.1648

297.8817,  
324.7435, 379.4414

■ 20.6690, 23.6935,  
30.4619

■ 60.4489, 67.5473,  
82.7708

■ 12.9933, 15.1064,  
19.9345

■ 80.5110, 89.4774,  
108.5110

■ 7.5009, 8.8941,  
12.1638

■ 104.5832,  
115.7042, 139.1007

■ 3.8264, 4.6722,  
6.7314

133.0307,  
146.6122, 174.9586

■ 1.6044, 2.0562,  
3.2188

166.2190,  
182.5858, 216.5030

■ 0.3953, 0.6398,  
1.2074

204.5133,

■ 0.0000, 0.0000,

224.0092, 264.1526

0.0000

248.2791,  
271.2670, 318.3259

■ 30.8932, 35.0397,  
44.1648

■ 30.8932, 35.0397,  
44.1648

■ 27.7672, 32.5690,  
43.8532

■ 34.4833, 37.7736,  
44.5038

■ 25.0807, 30.3460,  
43.5658

■ 38.5545, 40.7769,  
44.8690

■ 22.8113, 28.3599,  
43.3020

■ 43.1267, 44.0610,  
45.2619

■ 20.9336, 26.5974,  
43.0608

■ 48.2178, 47.6352,  
45.6834

■ 19.4192, 25.0436,  
42.8407

■ 53.8447, 51.5084,  
46.1345

■ 18.2356, 23.6817,  
42.6402

■ 60.0236, 55.6891,  
46.6158

■ 17.3445, 22.4918,  
42.4575

■ 66.6217, 60.1091,  
47.1211

■ 16.7473, 21.5802,  
42.3130

■ 67.3235, 61.5126,  
47.3551

■ 68.0410, 62.9476,  
47.5942

# Harmonies

## Analogous

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



30.2624, 35.0397, 39.5858



30.8932, 35.0397, 44.1648



32.1756, 35.0397, 47.2927

# Triad

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



30.8932, 35.0397, 44.1648



36.3591, 35.0397, 41.5159



32.8122, 35.0397, 29.8490

# Complementary

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



30.8932, 35.0397, 44.1648



31.0598, 29.8661, 27.0501

# 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.



34.4588, 35.0397, 30.2727



30.8932, 35.0397, 44.1648



36.5433, 35.0397, 36.7538

# Square

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



30.8932, 35.0397, 44.1648



35.3423, 35.0397, 45.6776



35.8375, 35.0397, 32.7118



31.3460, 35.0397, 31.5025



# Rectangle

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



30.8932, 35.0397, 44.1648



33.2459, 35.0397, 47.9953



35.8375, 35.0397, 32.7118



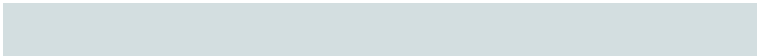
33.3625, 35.0397, 29.7563

# Sweetspot

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



30.8942, 35.0411, 44.1656



66.4369, 71.4077, 81.0872



29.6111, 36.6031, 31.0111



14.3383, 15.4448, 17.6131



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.



30.8942, 35.0411, 44.1656



53.1327, 61.2890, 79.8353



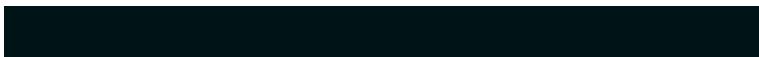
27.8285, 28.9096, 43.1437



8.1057, 8.8107, 10.2261



12.5002, 16.1343, 31.4999



0.3805, 0.5143, 0.8872



# Inverse Universe

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



32.4696, 28.8160, 39.4496



56.5677, 48.0267, 69.4827



34.0070, 35.7606, 28.0325



8.2711, 8.1217, 9.7386



16.1732, 7.9318, 19.0892



0.4664, 0.2273, 0.6180



# Previews

## White Background



This preview shows how the XYZ color 30.8932, 35.0397, 44.1648 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 30.8932, 35.0397, 44.1648 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

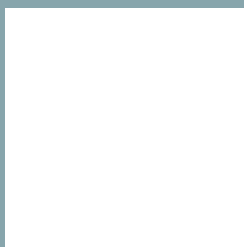
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 30.8932, 35.0397, 44.1648**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.8932, 35.0397, 44.1648.



This preview shows how white text looks on a background with the XYZ color 30.8932, 35.0397,



# 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

30.8932, 35.0397, 44.1648

### Protanopia

33.7919, 34.7545, 41.9730

### Deuteranopia

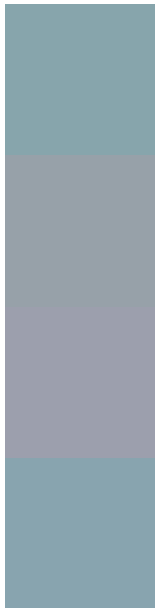
35.5098, 34.8235, 44.8944



## Tritanopia

31.3646, 34.9595, 46.6897

# Trichromacy



## Original Color

30.8932, 35.0397, 44.1648

## Protanomaly

32.6688, 34.9336, 42.5571

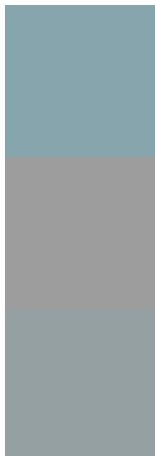
## Deuteranomaly

33.6513, 34.8813, 44.4943

## Tritanomaly

31.1667, 34.8803, 45.6474

# Monochromacy



## Original Color

30.8932, 35.0397, 44.1648

## Achromatopsia

32.0474, 33.7164, 36.7171

## Achromatomaly

31.4868, 34.1398, 39.1125

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.8932, 35.0397, 44.1648 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(135, 165, 172)` looks like.

```
.text, #text, p{  
    color:rgb(135, 165, 172)  
}
```

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(135, 165, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 165, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 30.8932, 35.0397, 44.1648 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(135, 165, 172) }
```



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

```
.border{ border-color:rgb(135, 165, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 165, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 165, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 165, 172);  
box-shadow:4px 4px 4px 4px rgb(135, 165,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.8932, 35.0397, 44.1648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 165, 172) }
```

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

```
.background{ background-color: rgb(135,  
165, 172) }
```

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