

# Converting Colors

XYZ(31.2840, 43.6586, 34.0703)

Have a look what the booklet for  
XYZ(31.2840, 43.6586, 34.0703)  
contains.

<b>XYZ(31.1082, 43.4194, 33.9353)</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(31.1082, 43.4194,  
33.9353)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73C092
RGB	115, 192, 146
RGB Percent	45%, 75%, 57%
CMY	0.5490, 0.2470, 0.4274
CMYK	0.40, 0.00, 0.24, 0.25
HSL	144°, 38%, 60%
HSV	144°, 40%, 75%
XYZ	31.1082, 43.4194, 33.9353
YIQ	163.7330, -31.1260, -30.6300

# Conversions

## Conversions Part 2

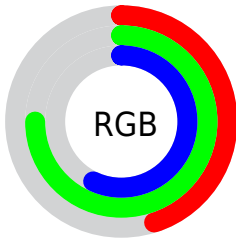
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 170, 192
Decimal	7585938
CIELab	71.84, -34.04, 15.85
CIELCh	72, 37.549, 155.039
Yxy	43.4194, 0.2868, 0.4003
Android (android.graphics.Color)	4285776018 (0xFF73C092)
YUV	163.7330, -8.7424, -42.7388
Hunter-Lab	65.8934, -31.0438, 15.5908

# Details

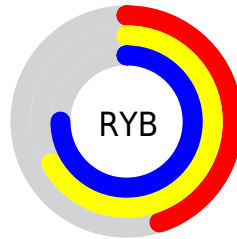
The XYZ color **31.1082, 43.4194, 33.9353** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.3035, 26.0422, 36.9388**, and the grayscale version is **35.2115, 37.0452, 40.3422**.

A 20% lighter version of the original color is **60.8786, 80.4675, 66.9667**, and **13.0785, 19.9953, 13.9966** is the 20% darker color. If you saturate the color by 10%, you get **27.9937, 41.9130, 29.3635**, and if you desaturate by 10%, it is **34.8405, 45.2363, 39.0053**.

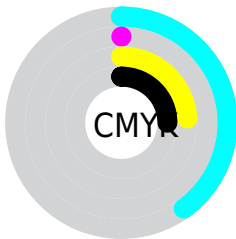
# Distribution



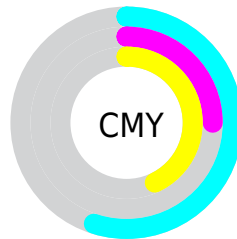
- Red (45%)
- Green (75%)
- Blue (57%)



- Red (45%)
- Yellow (67%)
- Blue (75%)



- Cyan (40%)
- Magenta (0%)
- Yellow (24%)
- Black (25%)




- Cyan (55%)
- Magenta (25%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1082, 43.4194, 33.9353 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 31.1082, 43.4194, 33.9353 by changing the saturation by 10% instead.





 31.1082, 43.4194,  
33.9353


 31.1082, 43.4194,  
33.9353


298.8545,  
360.3337, 334.6038

 20.8335, 30.2143,  
22.5669


 60.7851, 80.3434,  
66.9658

 13.1141, 20.0013,  
14.0718


 80.9179, 104.8310,  
89.4650

 7.5847, 12.3960,  
8.0313


 105.0675,  
133.8484, 116.5116

 3.8799, 7.0140,  
4.0269

133.5993,  
167.7798, 148.5240

 1.6344, 3.4708,  
1.6401

166.8785,  
207.0096, 185.9210

 0.4147, 1.3822,  
0.3192

205.2705,

 0.0000, 0.2036,

251.9223, 229.1209

0.0000

249.1407,  
302.9022, 278.5423

■ 0.0000, 0.0000,  
0.0000

■ 31.1082, 43.4194,  
33.9353

■ 31.1082, 43.4194,  
33.9353

■ 27.9937, 41.9130,  
29.3635

■ 34.8405, 45.2363,  
39.0053

■ 25.4579, 40.6937,  
25.2716

■ 39.2195, 47.3748,  
44.5852

■ 23.4626, 39.7433,  
21.6444


■ 44.2768, 49.8521,  
50.6900


■ 21.9632, 39.0391,  
18.4646


■ 50.0405, 52.6823,  
57.3331

■ 20.9074, 38.5547,  
15.7139


■ 56.5373, 55.8790,  
64.5277

 20.2005, 38.2409,  
13.3929

 63.7924, 59.4550,  
72.2861

 71.8298, 63.4223,  
80.6204

 75.4887, 65.1202,  
89.2999

 77.2263, 65.8152,  
98.4499

# Harmonies

## Analogous

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



34.6132, 43.4194, 23.9342



31.1082, 43.4194, 33.9353



30.2064, 43.4194, 50.4325

# Triad

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



31.1082, 43.4194, 33.9353



42.3566, 43.4194, 91.6682



52.1603, 43.4194, 29.8249

# Complementary

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



31.1082, 43.4194, 33.9353



34.3035, 26.0422, 36.9388

# 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.



54.7478, 43.4194, 44.2547



31.1082, 43.4194, 33.9353



48.7272, 43.4194, 82.3078

# Square

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



31.1082, 43.4194, 33.9353



36.3011, 43.4194, 86.8587



53.4311, 43.4194, 63.7227



46.6703, 43.4194, 22.0255



# Rectangle

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



31.1082, 43.4194, 33.9353



31.1140, 43.4194, 63.7752



53.4311, 43.4194, 63.7227



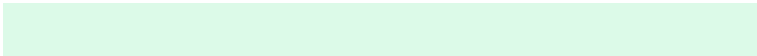
53.4228, 43.4194, 33.9008

# Sweetspot

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



31.1094, 43.4212, 33.9363



78.2064, 89.3363, 89.4542



36.6839, 46.5369, 23.2694



16.5116, 19.0351, 18.8729



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



31.1094, 43.4212, 33.9363



51.4124, 76.2747, 54.2580



34.6045, 44.8192, 52.3415



10.1087, 11.3245, 11.5757



13.6285, 25.7455, 9.2029



0.6229, 1.1260, 0.5771



# Inverse Universe

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



34.3035, 26.0422, 36.9388



57.9787, 40.5027, 60.3969



31.4266, 24.8915, 21.7895



10.3201, 10.1766, 11.7760



16.7377, 8.3848, 11.7966



0.7565, 0.3756, 0.6854



# Previews

## White Background



This preview shows how the XYZ color 31.1082, 43.4194, 33.9353 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 31.1082, 43.4194, 33.9353 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

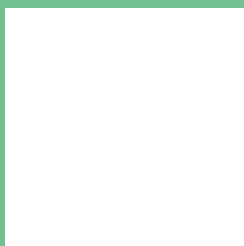
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 31.1082, 43.4194, 33.9353**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.1082, 43.4194, 33.9353.



This preview shows how white text looks on a background with the XYZ color 31.1082, 43.4194,



# 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

31.1082, 43.4194, 33.9353

### Protanopia

40.1671, 42.9340, 30.2148

### Deuteranopia

43.8613, 43.0278, 35.2716



## **Tritanopia**

36.5267, 43.3801, 61.0916

# Trichromacy



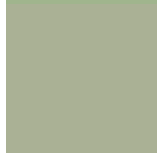
## Original Color

31.1082, 43.4194, 33.9353



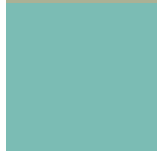
## Protanomaly

35.8288, 42.4444, 31.5035



## Deuteranomaly

37.7245, 42.1603, 34.5832



## Tritanomaly

34.3898, 43.4727, 49.7585

# Monochromacy



## Original Color

31.1082, 43.4194, 33.9353



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

33.0759, 38.8174, 37.6475

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.1082, 43.4194, 33.9353 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(115, 192, 146)` looks like.

```
.text, #text, p{  
    color:rgb(115, 192, 146)  
}
```

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(115, 192, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 192, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 31.1082, 43.4194, 33.9353 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(115, 192, 146) }
```



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

```
.border{ border-color:rgb(115, 192, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 192, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 192, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 192, 146);  
box-shadow:4px 4px 4px 4px rgb(115, 192,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.1082, 43.4194, 33.9353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 192, 146) }
```

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

```
.background{ background-color: rgb(115,  
192, 146) }
```

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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