

# Converting Colors

XYZ(30.4139, 34.1224, 55.6617)

Have a look what the booklet for  
XYZ(30.4139, 34.1224, 55.6617)  
contains.

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# Color

**XYZ(30.3306, 33.9666,  
55.4097)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77A3C1
RGB	119, 163, 193
RGB Percent	47%, 64%, 76%
CMY	0.5333, 0.3608, 0.2431
CMYK	0.38, 0.16, 0.00, 0.24
HSL	204°, 37%, 61%
HSV	204°, 38%, 76%
XYZ	30.3306, 33.9666, 55.4097
YIQ	153.2640, -35.8540, 0.0020

# Conversions

## Conversions Part 2

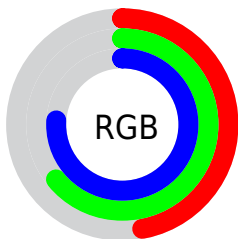
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	119, 147, 193
Decimal	7840705
CIE Lab	64.94, -7.18, -20.13
CIE LCh	65, 21.374, 250.360
Yxy	33.9666, 0.2534, 0.2837
Android (android.graphics.Color)	4286030785 (0xFF77A3C1)
YUV	153.2640, 19.5898, -30.0495
Hunter-Lab	58.2809, -9.0963, -15.5725

# Details

The XYZ color **30.3306, 33.9666, 55.4097** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **36.0702, 34.1649, 22.1472**, and the grayscale version is **30.3226, 31.9018, 34.7410**.

A 20% lighter version of the original color is **59.7823, 66.0436, 100.0393**, and **12.5914, 14.3912, 26.5402** is the 20% darker color. If you saturate the color by 10%, you get **26.5997, 30.0450, 54.8500**, and if you desaturate by 10%, it is **34.6875, 38.3400, 56.0248**.

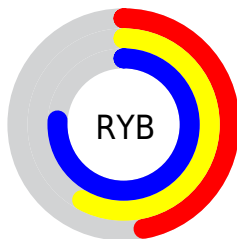
# Distribution



Red (47%)

Green (64%)

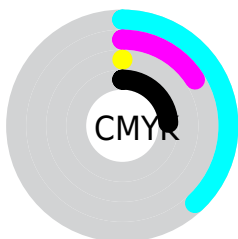
Blue (76%)



Red (47%)

Yellow (58%)

Blue (76%)

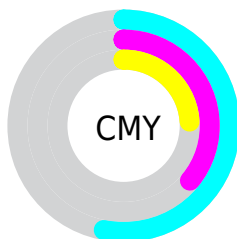


Cyan (38%)

Magenta (16%)

Yellow (0%)

Black (24%)



Cyan (53%)

Magenta (36%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3306, 33.9666, 55.4097 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 30.3306, 33.9666, 55.4097 by changing the saturation by 10% instead.



■ 30.3306, 33.9666,  
55.4097

■ 30.3306, 33.9666,  
55.4097

295.3247,  
319.9831, 424.7887

■ 20.2390, 22.8679,  
39.3290

■ 59.5677, 65.8817,  
99.6181

■ 12.6781, 14.4960,  
26.7060

■ 79.4438, 87.4670,  
128.5830

■ 7.2828, 8.4665,  
17.1220

■ 103.3122,  
113.3166, 162.6796

■ 3.6875, 4.3948,  
10.1587

131.5381,  
143.8149, 202.3266

■ 1.5269, 1.8968,  
5.3973

164.4870,  
179.3463, 247.9424

■ 0.3440, 0.5465,  
2.4194

202.5241,

■ 0.0000, 0.0000,

220.2952, 299.9457

0.7970

246.0149,  
267.0460, 358.7550

■ 0.0000, 0.0000,  
0.0000

■ 30.3306, 33.9666,  
55.4097

■ 30.3306, 33.9666,  
55.4097

■ 26.5997, 30.0450,  
54.8500

■ 34.6875, 38.3400,  
56.0248

■ 23.4571, 26.5513,  
54.3413

■ 39.6987, 43.1798,  
56.6949

■ 20.8662, 23.4650,  
53.8821

■ 45.3945, 48.5045,  
57.4224

■ 18.7841, 20.7614,  
53.4700

■ 51.8022, 54.3304,  
58.2092

■ 17.1607, 18.4125,  
53.1022

■ 58.9478, 60.6728,  
59.0568

■ 15.9180, 16.3752,  
52.7744

■ 66.8557, 67.5464,  
59.9668

■ 15.7292, 16.0571,  
52.7230

■ 75.5491, 74.9653,  
60.9406

■ 77.9523, 79.2834,  
61.6474

■ 80.1237, 83.6262,  
62.3712

# Harmonies

## Analogous

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



27.9704, 33.9666, 49.1171



30.3306, 33.9666, 55.4097



33.3632, 33.9666, 56.3466

# Triad

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



30.3306, 33.9666, 55.4097



38.4803, 33.9666, 34.0110



28.5919, 33.9666, 25.4869

# Complementary

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



30.3306, 33.9666, 55.4097



36.0702, 34.1649, 22.1472

# 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.



31.2288, 33.9666, 22.6588



30.3306, 33.9666, 55.4097



37.0202, 33.9666, 27.0339

# Square

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



30.3306, 33.9666, 55.4097



38.2017, 33.9666, 42.9948



34.3200, 33.9666, 23.1760



27.0118, 33.9666, 31.5610



# Rectangle

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



30.3306, 33.9666, 55.4097



35.3773, 33.9666, 53.6712



34.3200, 33.9666, 23.1760



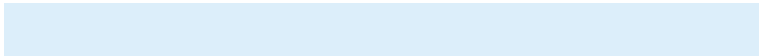
29.3769, 33.9666, 24.1726

# Sweetspot

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



30.3317, 33.9679, 55.4105



77.2280, 83.0974, 102.3293



32.0715, 44.2198, 35.1126



16.2788, 17.5572, 21.9162



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.



30.3317, 33.9679, 55.4105



48.6491, 54.8953, 98.3921



24.7465, 22.7975, 53.5488



10.0150, 10.7213, 12.8264



10.5417, 10.8400, 35.0933



0.5217, 0.6008, 1.5384



# Inverse Universe

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



35.2009, 27.1765, 38.0420



58.8601, 41.9445, 61.6805



42.7976, 47.6196, 24.3896



10.3189, 10.1762, 11.7697



16.7170, 8.3765, 11.6875



0.7557, 0.3753, 0.6810



# Previews

## White Background



This preview shows how the XYZ color 30.3306, 33.9666, 55.4097 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

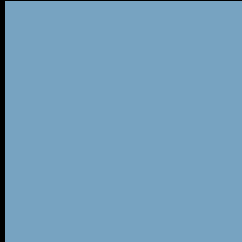
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.3306, 33.9666, 55.4097 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

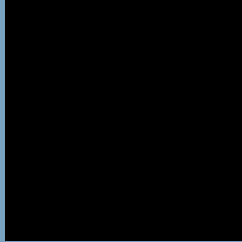
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 30.3306, 33.9666, 55.4097**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.3306, 33.9666, 55.4097.



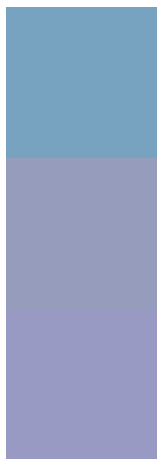
This preview shows how white text looks on a background with the XYZ color 30.3306, 33.9666,



# 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

30.3306, 33.9666, 55.4097

### Protanopia

33.5432, 33.8918, 52.3508

### Deuteranopia

34.5428, 33.8236, 56.3378



## Tritanopia

28.6620, 33.8098, 47.6631

# Trichromacy



## Original Color

30.3306, 33.9666, 55.4097

## Protanomaly

32.3399, 34.0029, 53.5739

## Deuteranomaly

32.7791, 33.6717, 55.8106

## Tritanomaly

29.1296, 33.7246, 50.3216

# Monochromacy



## Original Color

30.3306, 33.9666, 55.4097

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

30.1094, 32.6038, 41.7520

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.3306, 33.9666, 55.4097 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(119, 163, 193)` looks like.

```
.text, #text, p{  
    color:rgb(119, 163, 193)  
}
```

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(119, 163, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 163, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 30.3306, 33.9666, 55.4097 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(119, 163, 193) }
```



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

```
.border{ border-color:rgb(119, 163, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 163, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 163, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 163, 193);  
box-shadow:4px 4px 4px 4px rgb(119, 163,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.3306, 33.9666, 55.4097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 163, 193) }
```

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

```
.background{ background-color: rgb(119,  
163, 193) }
```

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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