

# Converting Colors

XYZ(30.7452, 44.8685, 25.2846)

Have a look what the booklet for  
XYZ(30.7452, 44.8685, 25.2846)  
contains.

<b>XYZ(30.6623, 44.7119, 25.1033)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(30.6623, 44.7119,  
25.1033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76C479
RGB	118, 196, 121
RGB Percent	46%, 77%, 47%
CMY	0.5373, 0.2314, 0.5255
CMYK	0.40, 0.00, 0.38, 0.23
HSL	122°, 40%, 62%
HSV	122°, 40%, 77%
XYZ	30.6623, 44.7119, 25.1033
YIQ	164.1280, -22.4130, -39.8610

# Conversions

## Conversions Part 2

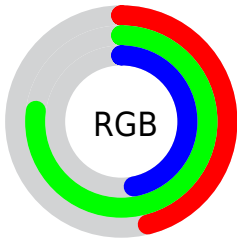
Format	Color
<a href="#">RYB</a>	<a href="#">118, 193, 196</a>
Decimal	<a href="#">7783545</a>
CIELab	<a href="#">72.70, -39.42, 30.30</a>
CIELCh	<a href="#">73, 49.715, 142.452</a>
Yxy	<a href="#">44.7119, 0.3052, 0.4450</a>
Android (android.graphics.Color)	<a href="#">4285973625 (0xFF76C479)</a>
YUV	<a href="#">164.1280, -21.2621, -40.4543</a>
Hunter-Lab	<a href="#">66.8670, -35.1648, 24.5481</a>

# Details

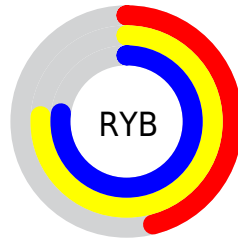
The XYZ color **30.6623, 44.7119, 25.1033** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **38.8704, 28.5437, 53.9144**, and the grayscale version is **35.4542, 37.3006, 40.6203**.

A 20% lighter version of the original color is **59.9988, 82.1908, 52.7465**, and **12.9247, 20.8909, 9.3124** is the 20% darker color. If you saturate the color by 10%, you get **27.2271, 43.0631, 19.4879**, and if you desaturate by 10%, it is **34.8786, 46.7399, 31.9357**.

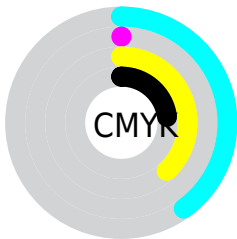
# Distribution



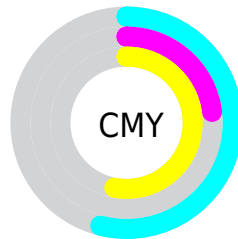
- Red (46%)
- Green (77%)
- Blue (47%)



- Red (46%)
- Yellow (76%)
- Blue (77%)



- Cyan (40%)
- Magenta (0%)
- Yellow (38%)
- Black (23%)




- Cyan (54%)
- Magenta (23%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6623, 44.7119, 25.1033 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 30.6623, 44.7119, 25.1033 by changing the saturation by 10% instead.





 30.6623, 44.7119,  
25.1033


 30.6623, 44.7119,  
25.1033


296.8342,  
365.6055, 291.8161

 20.4924, 31.2306,  
15.9343


 60.0875, 82.2879,  
52.7910

 12.8638, 20.7745,  
9.3238


 80.0734, 107.1514,  
72.1467

 7.4112, 12.9593,  
4.8533


 104.0622,  
136.5777, 95.7351

 3.7692, 7.4005,  
2.1042

132.4190,  
170.9512, 123.9747

 1.5724, 3.7138,  
0.6183

165.5092,  
210.6564, 157.2841

 0.3743, 1.5148,  
0.0000

203.6983,

 0.0000, 0.2991,

256.0775, 196.0818

0.0000

247.3515,  
307.5991, 240.7863

■ 0.0000, 0.0000,  
0.0000

■ 30.6623, 44.7119,  
25.1033

■ 30.6623, 44.7119,  
25.1033

■ 27.2271, 43.0631,  
19.4879

■ 34.8786, 46.7399,  
31.9357

■ 24.5220, 41.7647,  
15.0154

■ 39.9163, 49.1626,  
40.0476

■ 22.4950, 40.7930,  
11.6081


■ 45.8170, 52.0014,  
49.5005


■ 21.0860, 40.1190,  
9.1778


■ 52.6185, 55.2746,  
60.3515


■ 20.2245, 39.7084,  
7.6216


■ 60.3562, 58.9993,  
72.6540

 19.7892, 39.5016,  
6.8091

 69.0639, 63.1917,  
86.4588

 19.7822, 39.4982,  
6.7979

 78.6986, 67.8288,  
101.8107

 79.0308, 67.9617,  
103.5603

# Harmonies

## Analogous

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



36.4754, 44.7119, 16.6676



30.6623, 44.7119, 25.1033



28.0907, 44.7119, 42.7096

# Triad

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



30.6623, 44.7119, 25.1033



40.3567, 44.7119, 112.5458



59.7333, 44.7119, 32.7097

# Complementary

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



30.6623, 44.7119, 25.1033



38.8704, 28.5437, 53.9144

# 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.



61.1407, 44.7119, 55.1903



30.6623, 44.7119, 25.1033



49.1480, 44.7119, 107.0647

# Square

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



30.6623, 44.7119, 25.1033



33.1739, 44.7119, 96.8604



57.0423, 44.7119, 83.7281



53.4219, 44.7119, 19.9098



# Rectangle

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



30.6623, 44.7119, 25.1033



28.2780, 44.7119, 59.6549



57.0423, 44.7119, 83.7281



60.8274, 44.7119, 39.1474

# Sweetspot

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



30.6634, 44.7138, 25.1043



80.2941, 92.8991, 85.3472



45.1063, 52.1803, 24.8342



16.8739, 19.7340, 17.7679



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



30.6634, 44.7138, 25.1043



49.9074, 78.2891, 36.2645



33.5225, 45.8574, 40.1602



9.9598, 11.2650, 10.7916



12.7177, 25.3811, 4.4063



0.5550, 1.0989, 0.2195



# Inverse Universe

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



38.8704, 28.5437, 53.9144



66.8737, 44.8461, 95.8128



35.1108, 27.0398, 34.1164



10.4800, 10.2406, 12.6183



20.4993, 9.8895, 31.6052



0.8910, 0.4294, 1.3935



# Previews

## White Background



This preview shows how the XYZ color 30.6623, 44.7119, 25.1033 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 30.6623, 44.7119, 25.1033 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

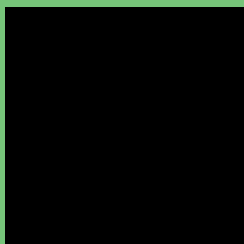
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 30.6623, 44.7119, 25.1033**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.6623, 44.7119, 25.1033.



This preview shows how white text looks on a background with the XYZ color 30.6623, 44.7119,



# 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

30.6623, 44.7119, 25.1033

### Protanopia

40.7517, 43.9966, 22.2639

### Deuteranopia

45.0695, 44.1306, 26.2213



## Tritanopia

37.9330, 44.4032, 61.8297

# Trichromacy



## Original Color

30.6623, 44.7119, 25.1033



## Protanomaly

36.0773, 43.6723, 23.3577



## Deuteranomaly

37.9532, 43.0680, 25.7146



## Tritanomaly

34.7619, 44.3947, 45.7666

# Monochromacy



## Original Color

30.6623, 44.7119, 25.1033



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

32.9033, 39.3918, 33.8862

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.6623, 44.7119, 25.1033 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, 196, 121)` looks like.

```
.text, #text, p{  
    color:rgb(118, 196, 121)  
}
```

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, 196, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 196, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 30.6623, 44.7119, 25.1033 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, 196, 121) }
```



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

```
.border{ border-color:rgb(118, 196, 121) }
```

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

Here you see how a box with a 4 pixel rgb(118, 196, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 196, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 196, 121);  
box-shadow:4px 4px 4px 4px rgb(118, 196,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.6623, 44.7119, 25.1033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 196, 121) }
```

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

```
.background{ background-color: rgb(118,  
196, 121) }
```

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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