

# Converting Colors

XYZ(26.1240, 23.5885, 61.1002)

Have a look what the booklet for  
XYZ(26.1240, 23.5885, 61.1002)  
contains.

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# Color

**XYZ(26.0747, 23.6280,  
60.9440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7580CD
RGB	117, 128, 205
RGB Percent	46%, 50%, 80%
CMY	0.5412, 0.4980, 0.1961
CMYK	0.43, 0.38, 0.00, 0.20
HSL	233°, 47%, 63%
HSV	233°, 43%, 80%
XYZ	26.0747, 23.6280, 60.9440
YIQ	133.4890, -31.2730, 21.6150

# Conversions

## Conversions Part 2

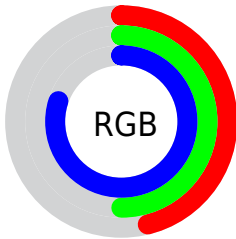
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	117, 127, 205
Decimal	7700685
CIE Lab	55.71, 15.78, -41.18
CIE LCh	56, 44.099, 290.962
Yxy	23.6280, 0.2357, 0.2135
Android (android.graphics.Color)	4285890765 (0xFF7580CD)
YUV	133.4890, 35.2549, -14.4609
Hunter-Lab	48.6086, 10.6860, -40.3099

# Details

The XYZ color **26.0747, 23.6280, 60.9440** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **47.6805, 52.8483, 24.5185**, and the grayscale version is **22.3568, 23.5211, 25.6145**.

A 20% lighter version of the original color is **51.5871, 49.0384, 101.3542**, and **10.2876, 8.8181, 30.0140** is the 20% darker color. If you saturate the color by 10%, you get **21.4794, 18.0877, 60.1173**, and if you desaturate by 10%, it is **31.6885, 30.3081, 61.9380**.

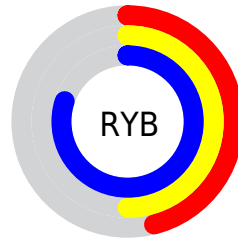
# Distribution



Red (46%)

Green (50%)

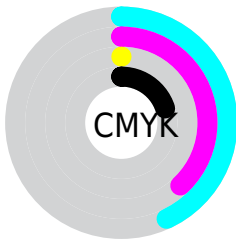
Blue (80%)



Red (46%)

Yellow (50%)

Blue (80%)

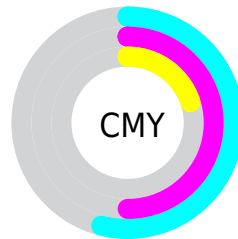


Cyan (43%)

Magenta (38%)

Yellow (0%)

Black (20%)



Cyan (54%)

Magenta (50%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.0747, 23.6280, 60.9440 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 26.0747, 23.6280, 60.9440 by changing the saturation by 10% instead.



■ 26.0747, 23.6280,  
60.9440

■ 26.0747, 23.6280,  
60.9440

275.3986,  
270.9343, 445.9695

■ 17.0125, 15.0579,  
43.7497

■ 52.8259, 49.4225,  
107.7546

■ 10.3388, 8.8600,  
30.1380

■ 71.2456, 67.4156,  
138.2080

■ 5.6881, 4.6500,  
19.6904

■ 93.5151, 89.3186,  
173.9181

■ 2.6952, 2.0434,  
11.9884

119.9999,  
115.5158, 215.3036

■ 0.9947, 0.6325,  
6.6133

151.0653,  
146.3915, 262.7829

■ 0.0000, 0.0000,  
3.1467

187.0766,

■ 0.0000, 0.0000,

182.3303, 316.7747

1.1700

228.3993,  
223.7164, 377.6974

■ 0.0000, 0.0000,  
0.0000

■ 26.0747, 23.6280,  
60.9440

■ 26.0747, 23.6280,  
60.9440

■ 21.4794, 18.0877,  
60.1173

■ 31.6885, 30.3081,  
61.9380

■ 17.8384, 13.6207,  
59.4469

■ 38.3744, 38.1845,  
63.1059

■ 15.0842, 10.1571,  
58.9236

■ 46.1857, 47.3129,  
64.4561

■ 13.1391, 7.6179,  
58.5360

■ 55.1710, 57.7449,  
65.9961

■ 11.9117, 5.9116,  
58.2713

■ 65.3763, 69.5290,  
67.7328

■ 11.3806, 5.1300,  
58.1484

■ 76.8449, 82.7114,  
69.6728

■ 87.5641, 96.2769,  
71.7263

■ 88.0195, 97.1878,  
71.8781

# Harmonies

## Analogous

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



20.9813, 23.6280, 63.6120



26.0747, 23.6280, 60.9440



30.7812, 23.6280, 47.2509

# Triad

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



26.0747, 23.6280, 60.9440



29.0718, 23.6280, 9.7220



14.2400, 23.6280, 21.6403

# Complementary

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



26.0747, 23.6280, 60.9440



47.6805, 52.8483, 24.5185

# 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.



15.7888, 23.6280, 11.9923



26.0747, 23.6280, 60.9440



24.0017, 23.6280, 6.9928

# Square

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



26.0747, 23.6280, 60.9440



32.6821, 23.6280, 17.0823



19.1917, 23.6280, 7.6323



14.6248, 23.6280, 36.8845



# Rectangle

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



26.0747, 23.6280, 60.9440



32.8240, 23.6280, 35.7914



19.1917, 23.6280, 7.6323



14.5420, 23.6280, 17.7517

# Sweetspot

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



26.0756, 23.6289, 60.9446



75.3228, 77.1150, 105.5225



38.8237, 51.3074, 58.4659



15.4771, 15.7538, 22.4750



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.



26.0756, 23.6289, 60.9446



35.3615, 29.8443, 98.5045



29.8249, 23.5462, 60.7310



10.7129, 11.0662, 14.1417



7.1230, 3.2700, 36.2120



0.4058, 0.2453, 1.8809



# Inverse Universe

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



35.4352, 27.2612, 23.8171



52.9070, 37.1408, 28.7962



42.2177, 53.8015, 24.9904



11.2684, 11.2361, 11.9482



15.8063, 8.1331, 1.4325



0.8348, 0.4273, 0.1758



# Previews

## White Background



This preview shows how the XYZ color 26.0747, 23.6280, 60.9440 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

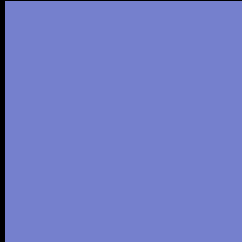
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.0747, 23.6280, 60.9440 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

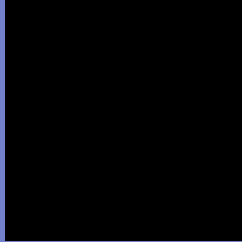
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 26.0747, 23.6280, 60.9440**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.0747, 23.6280, 60.9440.



This preview shows how white text looks on a background with the XYZ color 26.0747, 23.6280,



# 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

26.0747, 23.6280, 60.9440

### Protanopia

25.2045, 23.7409, 62.2855

### Deuteranopia

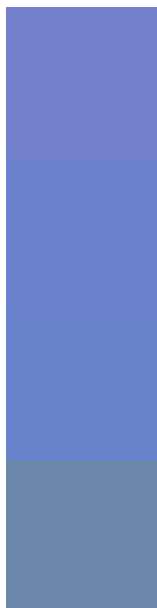
24.3236, 23.7314, 60.4254



## Tritanopia

20.3312, 23.5508, 32.3284

# Trichromacy



## Original Color

26.0747, 23.6280, 60.9440

## Protanomaly

25.4299, 23.6727, 61.6215

## Deuteranomaly

24.8411, 23.5955, 60.3719

## Tritanomaly

22.1040, 23.4184, 41.3854

# Monochromacy



## Original Color

26.0747, 23.6280, 60.9440

## Achromatopsia

22.2940, 23.4551, 25.5426

## Achromatomaly

23.1267, 23.2478, 36.0693

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.0747, 23.6280, 60.9440 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(117, 128, 205)` looks like.

```
.text, #text, p{  
    color:rgb(117, 128, 205)  
}
```

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(117, 128, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 128, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 26.0747, 23.6280, 60.9440 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(117, 128, 205) }
```



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

```
.border{ border-color:rgb(117, 128, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 128, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 128, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 128, 205); box-shadow:4px 4px 4px 4px rgb(117, 128, 205) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.0747, 23.6280, 60.9440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 128, 205) }
```

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

```
.background{ background-color: rgb(117,  
128, 205) }
```

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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