

# Converting Colors

XYZ(24.3856, 21.0836, 56.8173)

Have a look what the booklet for  
XYZ(24.3856, 21.0836, 56.8173)  
contains.

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# Color

**XYZ(24.3950, 21.0023,  
56.8009)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7776C7
RGB	119, 118, 199
RGB Percent	47%, 46%, 78%
CMY	0.5333, 0.5372, 0.2196
CMYK	0.40, 0.41, 0.00, 0.22
HSL	241°, 42%, 62%
HSV	241°, 41%, 78%
XYZ	24.3950, 21.0023, 56.8009
YIQ	127.5330, -25.4050, 25.4030

# Conversions

## Conversions Part 2

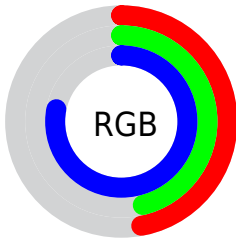
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	119, 118, 199
Decimal	7829191
CIE Lab	52.95, 20.55, -42.12
CIE LCh	53, 46.863, 296.005
Yxy	21.0023, 0.2387, 0.2055
Android (android.graphics.Color)	4286019271 (0xFF7776C7)
YUV	127.5330, 35.2332, -7.4834
Hunter-Lab	45.8283, 14.8185, -41.4060

# Details

The XYZ color **24.3950, 21.0023, 56.8009** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **46.9820, 54.1608, 25.1180**, and the grayscale version is **20.2455, 21.2998, 23.1955**.

A 20% lighter version of the original color is **49.8803, 44.9681, 100.6585**, and **9.4810, 7.5485, 27.7454** is the 20% darker color. If you saturate the color by 10%, you get **19.8700, 15.5504, 55.9875**, and if you desaturate by 10%, it is **29.9737, 27.7319, 57.8062**.

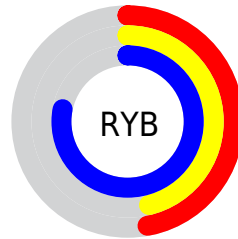
# Distribution



Red (47%)

Green (46%)

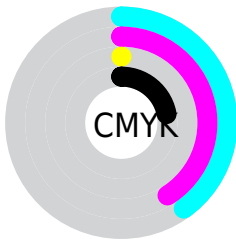
Blue (78%)



Red (47%)

Yellow (46%)

Blue (78%)

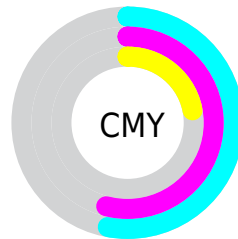


Cyan (40%)

Magenta (41%)

Yellow (0%)

Black (22%)



Cyan (53%)

Magenta (54%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3950, 21.0023, 56.8009 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 24.3950, 21.0023, 56.8009 by changing the saturation by 10% instead.



■ 24.3950, 21.0023,  
56.8009

■ 24.3950, 21.0023,  
56.8009

267.2150,  
257.2907, 430.1757

■ 15.7532, 13.1257,  
40.4371

■ 50.1240, 45.0914,  
101.6721

■ 9.4394, 7.5152,  
27.5631

■ 67.9420, 62.0726,  
131.0165

■ 5.0883, 3.7863,  
17.7604

■ 89.5493, 82.8575,  
165.5250

■ 2.3344, 1.5548,  
10.6105

115.3115,  
107.8304, 205.6159

■ 0.8122, 0.3268,  
5.6947

145.5938,  
137.3759, 251.7079

■ 0.0000, 0.0000,  
2.5946

180.7615,

■ 0.0000, 0.0000,

171.8781, 304.2195

0.8897

221.1802,  
211.7216, 363.5693

■ 0.0000, 0.0000,  
0.0000

■ 24.3950, 21.0023,  
56.8009

■ 24.3950, 21.0023,  
56.8009

■ 19.8700, 15.5504,  
55.9875

■ 29.9737, 27.7319,  
57.8062

■ 16.3303, 11.2933,  
55.3523

■ 36.6639, 35.8105,  
59.0129

■ 13.7032, 8.1421,  
54.8826

■ 44.5222, 45.3068,  
60.4317

■ 11.9051, 5.9945,  
54.5628

■ 53.6006, 56.2842,  
62.0721

■ 10.8371, 4.7291,  
54.3748

■ 63.9480, 68.8022,  
63.9429

■ 10.3397, 4.1394,  
54.2872

■ 75.6104, 82.9171,  
66.0527

■ 87.3089, 96.9036,  
68.1358

# Harmonies

## Analogous

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



19.3114, 21.0023, 61.8443



24.3950, 21.0023, 56.8009



28.8589, 21.0023, 41.5657

# Triad

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



24.3950, 21.0023, 56.8009



25.7208, 21.0023, 6.9762



11.9463, 21.0023, 21.0351

# Complementary

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



24.3950, 21.0023, 56.8009



46.9820, 54.1608, 25.1180

# 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.



13.1121, 21.0023, 10.8353



24.3950, 21.0023, 56.8009



20.6272, 21.0023, 5.1085

# Square

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



24.3950, 21.0023, 56.8009



29.7082, 21.0023, 12.9421



16.1016, 21.0023, 6.1568



12.6213, 21.0023, 36.8923



# Rectangle

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



24.3950, 21.0023, 56.8009



30.5977, 21.0023, 30.0513



16.1016, 21.0023, 6.1568



12.1300, 21.0023, 16.9315

# Sweetspot

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



24.3958, 21.0031, 56.8014



75.7956, 76.7186, 105.4210



38.2039, 48.8224, 61.4433



15.8160, 15.9286, 22.4909



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.



24.3958, 21.0031, 56.8014



35.4919, 28.0716, 98.1555



30.9869, 24.4009, 57.1099



10.0686, 10.2936, 13.3737



6.6541, 2.6645, 34.9080



0.3194, 0.1284, 1.6531



# Inverse Universe

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



40.2249, 29.1767, 56.9368



67.0314, 44.3594, 98.3377



37.8930, 49.4752, 24.6926



11.0772, 10.8143, 13.3900



21.5943, 10.3873, 34.6688



1.0244, 0.4926, 1.6514



# Previews

## White Background



This preview shows how the XYZ color 24.3950, 21.0023, 56.8009 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 24.3950, 21.0023, 56.8009 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

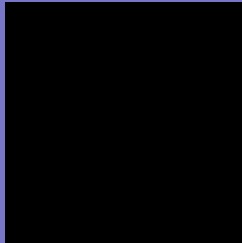
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 24.3950, 21.0023, 56.8009**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.3950, 21.0023, 56.8009.



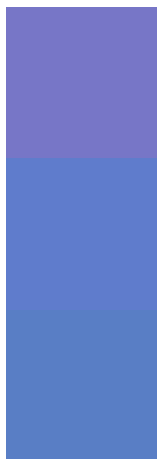
This preview shows how white text looks on a background with the XYZ color 24.3950, 21.0023,



# 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

24.3950, 21.0023, 56.8009

### Protanopia

22.8260, 21.2078, 60.0172

### Deuteranopia

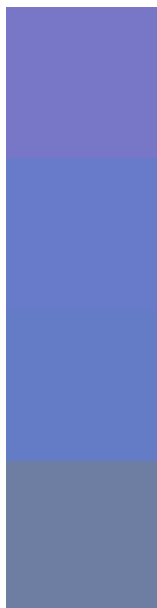
21.6587, 21.0768, 55.7500



## Tritanopia

18.6160, 20.8916, 28.2506

# Trichromacy



## Original Color

24.3950, 21.0023, 56.8009

## Protanomaly

23.3291, 21.1264, 58.7253

## Deuteranomaly

22.5315, 20.9525, 56.2828

## Tritanomaly

20.4128, 20.8453, 37.1301

# Monochromacy



## Original Color

24.3950, 21.0023, 56.8009

## Achromatopsia

20.5175, 21.5861, 23.5072

## Achromatomaly

21.4978, 21.1084, 33.5131

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.3950, 21.0023, 56.8009 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, 118, 199)` looks like.

```
.text, #text, p{  
    color:rgb(119, 118, 199)  
}
```

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, 118, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 118, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 24.3950, 21.0023, 56.8009 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, 118, 199) }
```



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

```
.border{ border-color:rgb(119, 118, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 118, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 118, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 118, 199);  
box-shadow:4px 4px 4px 4px rgb(119, 118,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.3950, 21.0023, 56.8009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 118, 199) }
```

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

```
.background{ background-color: rgb(119,  
118, 199) }
```

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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