

# Converting Colors

XYZ(25.4957, 22.5006, 60.1261)

Have a look what the booklet for  
XYZ(25.4957, 22.5006, 60.1261)  
contains.

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# Color

**XYZ(25.5779, 22.6265,  
60.1460)**

# Conversions

## Conversions Part 1

Format	Color
Hex	767CCC
RGB	118, 124, 204
RGB Percent	46%, 49%, 80%
CMY	0.5372, 0.5137, 0.2000
CMYK	0.42, 0.39, 0.00, 0.20
HSL	236°, 46%, 63%
HSV	236°, 42%, 80%
XYZ	25.5779, 22.6265, 60.1460
YIQ	131.3260, -29.2560, 23.6080

# Conversions

## Conversions Part 2

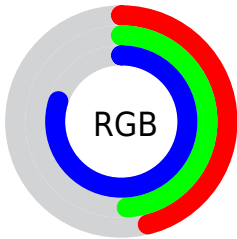
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	118, 124, 204
Decimal	7765196
CIE Lab	54.69, 18.13, -42.23
CIE LCh	55, 45.957, 293.235
Yxy	22.6265, 0.2361, 0.2088
Android (android.graphics.Color)	4285955276 (0xFF767CCC)
YUV	131.3260, 35.8283, -11.6869
Hunter-Lab	47.5673, 12.7402, -41.6715

# Details

The XYZ color **25.5779, 22.6265, 60.1460** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **48.3667, 54.5345, 25.1176**, and the grayscale version is **21.5740, 22.6975, 24.7176**.

A 20% lighter version of the original color is **50.8089, 47.1549, 101.0316**, and **9.9908, 8.2588, 29.5013** is the 20% darker color. If you saturate the color by 10%, you get **20.9476, 17.0426, 59.3127**, and if you desaturate by 10%, it is **31.2666, 29.4361, 61.1610**.

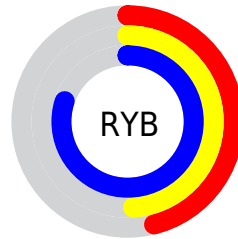
# Distribution



Red (46%)

Green (49%)

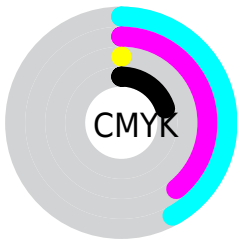
Blue (80%)



Red (46%)

Yellow (49%)

Blue (80%)

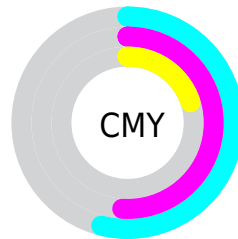


Cyan (42%)

Magenta (39%)

Yellow (0%)

Black (20%)



Cyan (54%)

Magenta (51%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5779, 22.6265, 60.1460 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 25.5779, 22.6265, 60.1460 by changing the saturation by 10% instead.



■ 25.5779, 22.6265,  
60.1460

■ 25.5779, 22.6265,  
60.1460

272.9987,  
265.8008, 442.9553

■ 16.6392, 14.3180,  
43.1103

■ 52.0294, 47.7793,  
106.5869

■ 10.0713, 8.3421,  
29.6396

■ 70.2728, 65.3924,  
136.8291

■ 5.5089, 4.3147,  
19.3155

■ 92.3485, 86.8757,  
172.3105

■ 2.5866, 1.8511,  
11.7193

118.6219,  
112.6138, 213.4498

■ 0.9391, 0.5187,  
6.4327

149.4582,  
142.9909, 260.6653

■ 0.0000, 0.0000,  
3.0369

185.2229,

■ 0.0000, 0.0000,

178.3915, 314.3757

1.1135

226.2813,  
219.2000, 374.9995

■ 0.0000, 0.0000,  
0.0000

■ 25.5779, 22.6265,  
60.1460

■ 25.5779, 22.6265,  
60.1460

■ 20.9476, 17.0426,  
59.3127

■ 31.2666, 29.4361,  
61.1610

■ 17.3078, 12.6092,  
58.6488

■ 38.0709, 37.5358,  
62.3658

■ 14.5867, 9.2465,  
58.1431

■ 46.0469, 46.9882,  
63.7699

■ 12.7017, 6.8637,  
57.7826

■ 55.2463, 57.8515,  
65.3818

■ 11.5551, 5.3543,  
57.5517

■ 65.7176, 70.1801,  
67.2096

■ 11.0593, 4.6800,  
57.4476

■ 77.5066, 84.0257,  
69.2607

■ 87.8992, 97.1397,  
71.2442

# Harmonies

## Analogous

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



20.3796, 22.6265, 63.9708



25.5779, 22.6265, 60.1460



30.2817, 22.6265, 45.3666

# Triad

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



25.5779, 22.6265, 60.1460



27.8723, 22.6265, 8.3749



13.2172, 22.6265, 21.4968

# Complementary

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



25.5779, 22.6265, 60.1460



48.3667, 54.5345, 25.1176

# 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.



14.6139, 22.6265, 11.4366



25.5779, 22.6265, 60.1460



22.6727, 22.6265, 6.0301

# Square

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



25.5779, 22.6265, 60.1460



31.7449, 22.6265, 15.1960



17.8906, 22.6265, 6.8753



13.7456, 22.6265, 37.3481



# Rectangle

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



25.5779, 22.6265, 60.1460



32.2344, 22.6265, 33.5820



17.8906, 22.6265, 6.8753



13.4688, 22.6265, 17.4398

# Sweetspot

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



25.5788, 22.6273, 60.1465



74.8276, 76.1246, 105.3574



39.1237, 51.0615, 60.5176



15.3568, 15.5132, 22.4349



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.



25.5788, 22.6273, 60.1465



35.0283, 28.6325, 98.2882



30.6731, 24.1712, 60.1760



10.6636, 10.9676, 14.1253



6.9862, 2.9965, 36.1664



0.3829, 0.1995, 1.8733



# Inverse Universe

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



35.0191, 27.2504, 22.4837



52.8719, 37.6364, 27.0402



41.0476, 52.8375, 25.1758



11.2435, 11.2262, 11.8171



15.7372, 8.1055, 1.0690

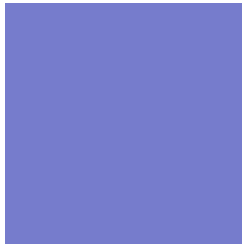


0.8232, 0.4227, 0.1148



# Previews

## White Background



This preview shows how the XYZ color 25.5779, 22.6265, 60.1460 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

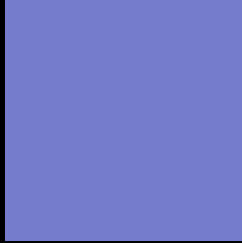
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.5779, 22.6265, 60.1460 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

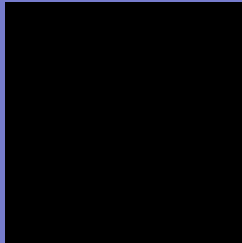
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 25.5779, 22.6265, 60.1460**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.5779, 22.6265, 60.1460.



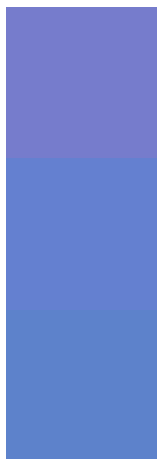
This preview shows how white text looks on a background with the XYZ color 25.5779, 22.6265,



# 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

25.5779, 22.6265, 60.1460

### Protanopia

24.3599, 22.7017, 62.7725

### Deuteranopia

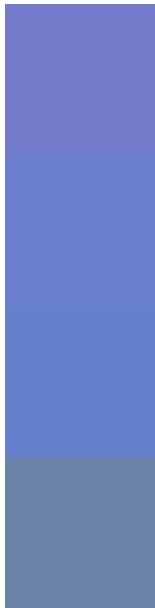
23.2763, 22.6042, 59.6362



## Tritanopia

19.6641, 22.5985, 30.9293

# Trichromacy



## Original Color

25.5779, 22.6265, 60.1460

## Protanomaly

24.9153, 22.8095, 62.1210

## Deuteranomaly

23.9782, 22.5749, 59.5935

## Tritanomaly

21.5035, 22.5178, 40.2588

# Monochromacy



## Original Color

25.5779, 22.6265, 60.1460

## Achromatopsia

21.5731, 22.6966, 24.7166

## Achromatomaly

22.4949, 22.3426, 35.4747

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.5779, 22.6265, 60.1460 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, 124, 204)` looks like.

```
.text, #text, p{  
    color:rgb(118, 124, 204)  
}
```

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, 124, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 124, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 25.5779, 22.6265, 60.1460 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, 124, 204) }
```



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

```
.border{ border-color:rgb(118, 124, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 124, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 124, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 124, 204);  
box-shadow:4px 4px 4px 4px rgb(118, 124,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.5779, 22.6265, 60.1460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 124, 204) }
```

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

```
.background{ background-color: rgb(118,  
124, 204) }
```

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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