

# Converting Colors

XYZ(27.0540, 23.5327, 62.1478)

Have a look what the booklet for  
XYZ(27.0540, 23.5327, 62.1478)  
contains.

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# Color

**XYZ(27.0535, 23.5322,  
62.1478)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7D7DCF
RGB	125, 125, 207
RGB Percent	49%, 49%, 81%
CMY	0.5098, 0.5098, 0.1882
CMYK	0.40, 0.40, 0.00, 0.19
HSL	240°, 46%, 65%
HSV	240°, 40%, 81%
XYZ	27.0535, 23.5322, 62.1478
YIQ	134.3480, -26.3220, 25.5020

# Conversions

## Conversions Part 2

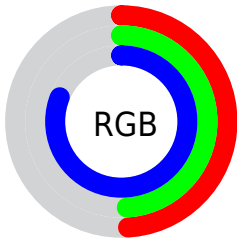
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	125, 125, 207
Decimal	8224207
CIE <sub>Lab</sub>	55.62, 20.21, -42.43
CIE <sub>LCh</sub>	56, 46.993, 295.471
Yxy	23.5322, 0.2400, 0.2087
Android (android.graphics.Color)	4286414287 (0xFF7D7DCF)
YUV	134.3480, 35.8174, -8.1982
Hunter-Lab	48.5100, 14.6550, -42.0014

# Details

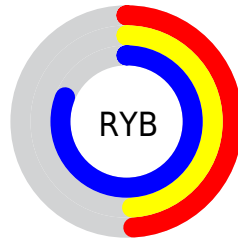
The XYZ color **27.0535, 23.5322, 62.1478** is a dark color, and the websafe version is hex **9999FF**. A complement of this color would be **51.7469, 59.3721, 28.1354**, and the grayscale version is **22.6679, 23.8484, 25.9709**.

A 20% lighter version of the original color is **52.7928, 48.7641, 101.2377**, and **10.8505, 8.7755, 30.8277** is the 20% darker color. If you saturate the color by 10%, you get **21.9876, 17.4279, 61.2370**, and if you desaturate by 10%, it is **33.2970, 31.0550, 63.2712**.

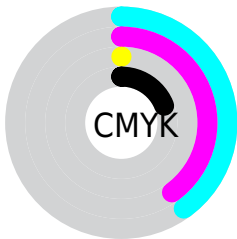
# Distribution



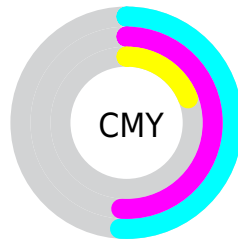
- Red (49%)
- Green (49%)
- Blue (81%)



- Red (49%)
- Yellow (49%)
- Blue (81%)



- Cyan (40%)
- Magenta (40%)
- Yellow (0%)
- Black (19%)



- Cyan (51%)
- Magenta (51%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0535, 23.5322, 62.1478 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 27.0535, 23.5322, 62.1478 by changing the saturation by 10% instead.



■ 27.0535, 23.5322,  
62.1478

■ 27.0535, 23.5322,  
62.1478

280.0789,  
270.4468, 450.4925

■ 17.7502, 14.9870,  
44.7156

■ 54.3890, 49.2657,  
109.5128

■ 10.8694, 8.8102,  
30.8921

■ 73.1519, 67.2228,  
140.2826

■ 6.0457, 4.6176,  
20.2590

■ 95.7987, 89.0860,  
176.3354

■ 2.9138, 2.0247,  
12.3975

122.6948,  
115.2396, 218.0897

■ 1.1084, 0.6218,  
6.8892

154.2055,  
146.0682, 265.9640

■ 0.0321, 0.0000,  
3.3155

190.6962,

■ 0.0000, 0.0000,

181.9559, 320.3769

1.2579

232.5322,  
223.2874, 381.7469

■ 0.0000, 0.0000,  
0.0269

■ 0.0000, 0.0000,  
0.0000

■ 27.0535, 23.5322,  
62.1478

■ 27.0535, 23.5322,  
62.1478

■ 21.9876, 17.4279,  
61.2370

■ 33.2970, 31.0550,  
63.2712

■ 18.0229, 12.6507,  
60.5239

■ 40.7826, 40.0746,  
64.6177

■ 15.0784, 9.1028,  
59.9942

■ 49.5733, 50.6670,  
66.1989

■ 13.0609, 6.6719,  
59.6314

■ 59.7273, 62.9019,  
68.0253

■ 11.8601, 5.2250,  
59.4154

■ 71.2990, 76.8451,  
70.1067

■ 11.2813, 4.5276,  
59.3113

■ 84.3401, 92.5588,  
72.4524

■ 11.2626, 4.5050,  
59.3079

■ 88.2626, 97.2850,  
73.1579

# Harmonies

## Analogous

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



21.5697, 23.5322, 67.2496



27.0535, 23.5322, 62.1478



31.8816, 23.5322, 46.0392

# Triad

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



27.0535, 23.5322, 62.1478



28.6707, 23.5322, 8.2883



13.6508, 23.5322, 23.3813

# Complementary

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



27.0535, 23.5322, 62.1478



51.7469, 59.3721, 28.1354

# 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.



14.9625, 23.5322, 12.3603



27.0535, 23.5322, 62.1478



23.1830, 23.5322, 6.1244

# Square

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



27.0535, 23.5322, 62.1478



32.9142, 23.5322, 14.9883



18.2550, 23.5322, 7.2467



14.3540, 23.5322, 40.3752



# Rectangle

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



27.0535, 23.5322, 62.1478



33.7836, 23.5322, 33.6847



18.2550, 23.5322, 7.2467



13.8640, 23.5322, 18.9619

# Sweetspot

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



27.0544, 23.5331, 62.1484



75.6780, 76.6579, 105.4155



42.0334, 53.4912, 67.1414



15.7886, 15.9145, 22.4896



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.



27.0544, 23.5331, 62.1484



35.9929, 28.8399, 98.2774



34.3227, 27.2800, 62.4885



11.1637, 11.4177, 14.8591



7.0959, 2.8384, 37.3664



0.3968, 0.1587, 2.0893



# Inverse Universe

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



44.3287, 32.4383, 62.9563



67.6227, 45.1457, 99.7566



41.7410, 54.2139, 27.6672



12.3109, 12.0091, 14.9128



23.3081, 11.1961, 38.1243

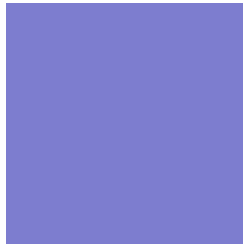


1.3032, 0.6260, 2.1317



# Previews

## White Background



This preview shows how the XYZ color 27.0535, 23.5322, 62.1478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

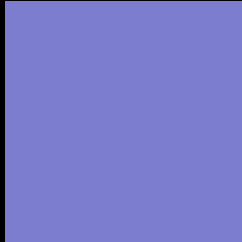
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.0535, 23.5322, 62.1478 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 27.0535, 23.5322, 62.1478**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.0535, 23.5322, 62.1478.



This preview shows how white text looks on a background with the XYZ color 27.0535, 23.5322,



# 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

27.0535, 23.5322, 62.1478

### Protanopia

25.3458, 23.5435, 65.4958

### Deuteranopia

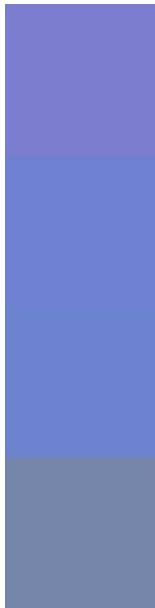
24.2308, 23.6696, 61.0492



## Tritanopia

20.8465, 23.4089, 31.4366

# Trichromacy



## Original Color

27.0535, 23.5322, 62.1478

## Protanomaly

25.7824, 23.4065, 64.1318

## Deuteranomaly

25.1866, 23.5473, 61.6101

## Tritanomaly

22.7514, 23.3526, 40.8445

# Monochromacy



## Original Color

27.0535, 23.5322, 62.1478

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

23.9094, 23.6311, 37.0193

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.0535, 23.5322, 62.1478 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(125, 125, 207)` looks like.

```
.text, #text, p{  
    color:rgb(125, 125, 207)  
}
```

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(125, 125, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 125, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 27.0535, 23.5322, 62.1478 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(125, 125, 207) }
```



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

```
.border{ border-color:rgb(125, 125, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 125, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 125, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 125, 207);  
box-shadow:4px 4px 4px 4px rgb(125, 125,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.0535, 23.5322, 62.1478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 125, 207) }
```

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

```
.background{ background-color: rgb(125,  
125, 207) }
```

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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