

# Converting Colors

XYZ(51.0873, 30.6820, 77.4372)

Have a look what the booklet for  
XYZ(51.0873, 30.6820, 77.4372)  
contains.

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# Color

**XYZ(51.1006, 30.6515,  
77.3518)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E75EE5
RGB	231, 94, 229
RGB Percent	91%, 37%, 90%
CMY	0.0941, 0.6313, 0.1020
CMYK	0.00, 0.59, 0.01, 0.09
HSL	301°, 74%, 64%
HSV	301°, 59%, 91%
XYZ	51.1006, 30.6515, 77.3518
YIQ	150.3530, 38.3170, 71.0290

# Conversions

## Conversions Part 2

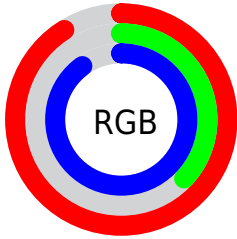
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 94, 229
Decimal	15163109
CIE <sub>Lab</sub>	62.21, 69.45, -43.61
CIE <sub>LCh</sub>	62, 82.002, 327.873
Yxy	30.6515, 0.3212, 0.1927
Android (android.graphics.Color)	4293353189 (0xFFE75EE5)
YUV	150.3530, 38.7730, 70.7274
Hunter-Lab	55.3638, 67.8683, -44.0827

# Details

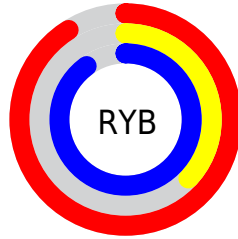
The XYZ color **51.1006, 30.6515, 77.3518** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **35.3048, 60.3774, 20.8613**, and the grayscale version is **28.9696, 30.4783, 33.1909**.

A 20% lighter version of the original color is **70.3566, 50.6132, 100.6689**, and **24.9713, 12.6183, 40.6546** is the 20% darker color. If you saturate the color by 10%, you get **49.2986, 27.1221, 76.5192**, and if you desaturate by 10%, it is **53.5193, 35.4126, 78.3910**.

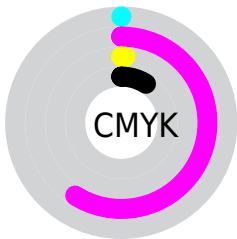
# Distribution



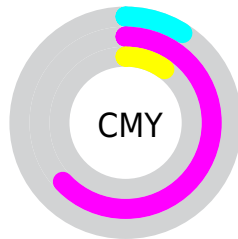
- Red (91%)
- Green (37%)
- Blue (90%)



- Red (91%)
- Yellow (37%)
- Blue (90%)



- Cyan (0%)
- Magenta (59%)
- Yellow (1%)
- Black (9%)



- Cyan (9%)
- Magenta (63%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1006, 30.6515, 77.3518 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 51.1006, 30.6515, 77.3518 by changing the saturation by 10% instead.




 51.1006, 30.6515,  
77.3518


 51.1006, 30.6515,  
77.3518


381.3357,  
304.9296, 505.4321


 36.5100, 20.3336,  
57.0284


 90.9856, 60.6910,  
131.4135

 25.0003, 12.6378,  
40.6185


 117.0107, 81.1814,  
165.9889

 16.2060, 7.1796,  
27.7037

 147.5780,  
105.8314, 206.1519

 9.7618, 3.5747,  
17.8653

 183.0530,  
135.0254, 252.3213

 5.3024, 1.4386,  
10.6849

223.8009,  
169.1478, 304.9154

 2.4623, 0.2449,  
5.7439

270.1870,

 0.8763, 0.0000,

208.5831, 364.3529

2.6237

322.5769,  
253.7155, 431.0523

■ 0.0000, 0.0000,  
0.9047

■ 0.0000, 0.0000,  
0.0000

■ 51.1006, 30.6515,  
77.3518

■ 51.1006, 30.6515,  
77.3518

■ 49.2986, 27.1221,  
76.5192

■ 53.5193, 35.4126,  
78.3910

■ 48.0534, 24.7068,  
75.8723


■ 56.6012, 41.5007,  
79.6514


■ 47.2989, 23.2727,  
75.3895

■ 60.3920, 49.0065,  
81.1486


■ 46.9281, 22.6061,  
75.0350


■ 64.9324, 58.0116,  
82.8961


 46.9074, 22.5700,  
75.0121

 70.2603, 68.5912,  
84.9065

 76.4107, 80.8158,  
87.1916

 83.1906, 94.2992,  
89.6869

 83.2384, 94.3183,  
89.9387

 83.2863, 94.3375,  
90.1910

# Harmonies

## Analogous

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



40.2455, 30.6515, 121.3114



51.1006, 30.6515, 77.3518



55.9604, 30.6515, 35.6851

# Triad

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



51.1006, 30.6515, 77.3518



29.9294, 30.6515, 2.0152



14.0917, 30.6515, 70.6984

# Complementary

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



51.1006, 30.6515, 77.3518



35.3048, 60.3774, 20.8613

# 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.



12.6343, 30.6515, 31.1654



51.1006, 30.6515, 77.3518



20.2817, 30.6515, 3.3006

# Square

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



51.1006, 30.6515, 77.3518



41.9643, 30.6515, 3.8078



14.5835, 30.6515, 10.3380



19.2272, 30.6515, 116.0480



# Rectangle

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



51.1006, 30.6515, 77.3518



54.4120, 30.6515, 17.9585



14.5835, 30.6515, 10.3380



13.2227, 30.6515, 55.7651

# Sweetspot

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



51.1017, 30.6529, 77.3524



82.0072, 74.0869, 104.0208



23.0440, 16.1562, 77.5064



17.1683, 15.0944, 22.1182



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.



51.1017, 30.6529, 77.3524



61.3125, 33.2017, 95.5682



43.5253, 27.6223, 37.4554



14.9856, 14.6114, 18.1244



26.3009, 12.6546, 42.0751



1.9465, 0.9363, 3.1247



# Inverse Universe

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



51.1017, 30.6529, 77.3524



61.3125, 33.2017, 95.5682



39.7596, 62.1593, 44.3202



14.9856, 14.6114, 18.1244



26.3009, 12.6546, 42.0751

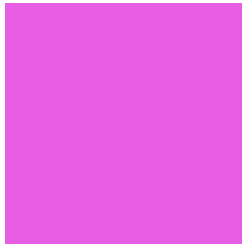


1.9465, 0.9363, 3.1247



# Previews

## White Background



This preview shows how the XYZ color 51.1006, 30.6515, 77.3518 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

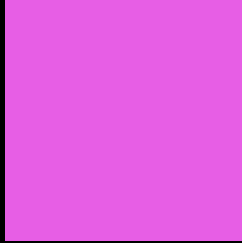
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.1006, 30.6515, 77.3518 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

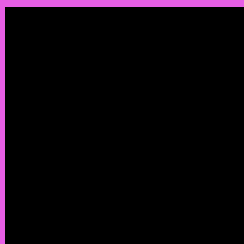
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.1006, 30.6515, 77.3518

## Background



This preview shows how black text looks on a background with the XYZ color 51.1006, 30.6515, 77.3518.



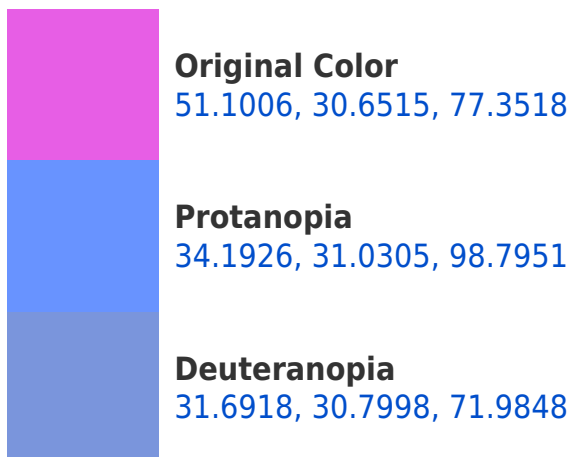
This preview shows how white text looks on a background with the XYZ color 51.1006, 30.6515,



# 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





## Tritanopia

40.0801, 30.3465, 24.8641

# Trichromacy



## Original Color

51.1006, 30.6515, 77.3518



## Protanomaly

36.9314, 28.5762, 90.7580



## Deuteranomaly

36.0698, 28.7096, 73.4525



## Tritanomaly

42.9988, 29.8100, 39.5640

# Monochromacy



## Original Color

51.1006, 30.6515, 77.3518



## Achromatopsia

28.9890, 30.4987, 33.2131



## Achromatomaly

34.7097, 28.8036, 46.3781

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.1006, 30.6515, 77.3518 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(231, 94, 229)` looks like.

```
.text, #text, p{  
    color:rgb(231, 94, 229)  
}
```

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(231, 94, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 94, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 51.1006, 30.6515, 77.3518 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(231, 94, 229) }
```



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

```
.border{ border-color:rgb(231, 94, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 94, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 94, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 94, 229);  
box-shadow:4px 4px 4px 4px rgb(231, 94,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.1006, 30.6515, 77.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 94, 229) }
```

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

```
.background{ background-color: rgb(231, 94,  
229) }
```

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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