

Converting Colors

XYZ(37.5210, 29.6019, 76.3730)

Have a look what the booklet for
XYZ(37.5210, 29.6019, 76.3730)
contains.

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Color

**XYZ(37.5736, 29.6183,
76.4096)**

Conversions

Conversions Part 1

Format	Color
Hex	A682E3
RGB	166, 130, 227
RGB Percent	65%, 51%, 89%
CMY	0.3490, 0.4902, 0.1098
CMYK	0.27, 0.43, 0.00, 0.11
HSL	262°, 63%, 70%
HSV	262°, 43%, 89%
XYZ	37.5736, 29.6183, 76.4096
YIQ	151.8220, -9.6810, 37.7990

Conversions

Conversions Part 2

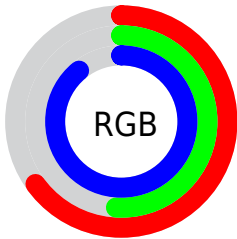
Format	Color
R_{YB}	166, 130, 227
Decimal	10912483
CIE _{Lab}	61.32, 33.67, -44.41
CIE _{LCh}	61, 55.732, 307.165
Yxy	29.6183, 0.2617, 0.2063
Android (android.graphics.Color)	4289102563 (0xFFA682E3)
YUV	151.8220, 37.0628, 12.4341
Hunter-Lab	54.4227, 27.9972, -45.1474

Details

The XYZ color **37.5736, 29.6183, 76.4096** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **52.9849, 67.6269, 31.3809**, and the grayscale version is **29.6176, 31.1601, 33.9333**.

A 20% lighter version of the original color is **65.4149, 56.7749, 102.1187**, and **16.7749, 12.0571, 39.9712** is the 20% darker color. If you saturate the color by 10%, you get **32.0525, 22.7739, 75.3800**, and if you desaturate by 10%, it is **44.0951, 37.9682, 77.6781**.

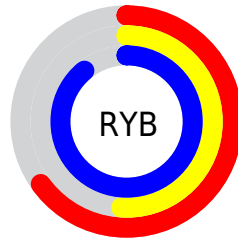
Distribution



Red (65%)

Green (51%)

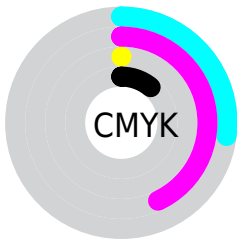
Blue (89%)



Red (65%)

Yellow (51%)

Blue (89%)

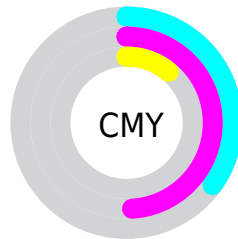


Cyan (27%)

Magenta (43%)

Yellow (0%)

Black (11%)



Cyan (35%)

Magenta (49%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5736, 29.6183, 76.4096 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 37.5736, 29.6183, 76.4096 by changing the saturation by 10% instead.

37.5736, 29.6183,
76.4096

37.5736, 29.6183,
76.4096

327.0998,
300.1212, 502.1328

25.8276, 19.5490,
56.2598

70.7622, 59.0580,
130.0711

16.8267, 12.0677,
40.0058

92.9356, 79.1973,
164.4199

10.2056, 6.7898,
27.2293

119.3155,
103.4620, 204.3387

5.5988, 3.3310,
17.5115

150.2672,
132.2365, 250.2462

2.6410, 1.3069,
10.4341

186.1561,
165.9053, 302.5608

0.9669, 0.1465,
5.5783

227.3477,

0.0000, 0.0000,

204.8528, 361.7010

2.5258

274.2071,
249.4633, 428.0855

■ 0.0000, 0.0000,
0.8538

■ 0.0000, 0.0000,
0.0000

■ 37.5736, 29.6183,
76.4096

■ 37.5736, 29.6183,
76.4096

■ 32.0525, 22.7739,
75.3800

■ 44.0951, 37.9682,
77.6781

■ 27.4734, 17.3374,
74.5720

■ 51.6642, 47.9059,
79.1973

■ 23.7763, 13.2048,
73.9692

■ 60.3289, 59.5118,
80.9808

■ 20.8920, 10.2555,
73.5519

■ 70.1331, 72.8596,
83.0405

■ 18.7387, 8.3447,
73.2966

■ 81.1183, 88.0188,
85.3875

■ 17.5437, 7.4424,
73.1854

■ 89.6449, 97.6970,
86.8062

■ 90.8652, 98.3261,
86.8633

Harmonies

Analogous

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



29.9497, 29.6183, 91.3247



37.5736, 29.6183, 76.4096



43.2756, 29.6183, 50.6293

Triad

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



37.5736, 29.6183, 76.4096



33.9952, 29.6183, 7.4911



16.3355, 29.6183, 37.5615

Complementary

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



37.5736, 29.6183, 76.4096



52.9849, 67.6269, 31.3809

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.



17.0387, 29.6183, 18.9621



37.5736, 29.6183, 76.4096



26.4263, 29.6183, 6.4636

Square

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



37.5736, 29.6183, 76.4096



40.9716, 29.6183, 13.4670



20.4527, 29.6183, 9.5636



18.3304, 29.6183, 63.3727

Rectangle

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



37.5736, 29.6183, 76.4096



44.7431, 29.6183, 34.2913



20.4527, 29.6183, 9.5636



16.2709, 29.6183, 30.2900

Sweetspot

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



37.5747, 29.6194, 76.4103



78.1135, 76.9013, 105.3341



41.7974, 47.7438, 79.6861



16.1586, 15.7042, 22.4295



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.



37.5747, 29.6194, 76.4103



42.6588, 30.7835, 98.3012



49.5996, 35.8185, 76.9730



14.0856, 14.1463, 18.1325



10.3497, 4.4014, 42.6872



0.8647, 0.3767, 3.1591

Inverse Universe

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



49.0659, 36.0587, 53.6649



59.7972, 40.4065, 63.5084



42.8154, 62.3843, 30.9049



14.7563, 14.5197, 16.9173



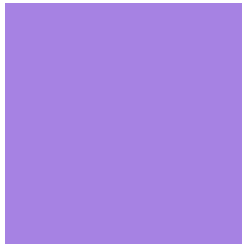
21.4137, 10.6997, 16.3395



1.6269, 0.8085, 1.4419

Previews

White Background



This preview shows how the XYZ color 37.5736, 29.6183, 76.4096 looks on a white background.

Color Contrast Check

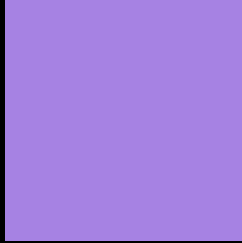
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.5736, 29.6183, 76.4096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

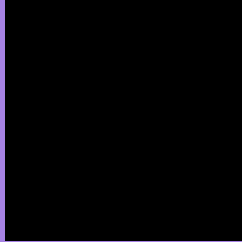
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.5736, 29.6183, 76.4096

Background



This preview shows how black text looks on a background with the XYZ color 37.5736, 29.6183, 76.4096.



This preview shows how white text looks on a background with the XYZ color 37.5736, 29.6183,

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

37.5736, 29.6183, 76.4096

Protanopia

32.4091, 29.9216, 86.5054

Deuteranopia

30.5631, 29.7059, 73.9350



Tritanopia

29.3481, 29.4574, 36.0373

Trichromacy



Original Color

37.5736, 29.6183, 76.4096

Protanomaly

33.7336, 29.5796, 82.5287

Deuteranomaly

32.4951, 29.3371, 74.4710

Tritanomaly

31.9221, 29.4027, 48.2488

Monochromacy



Original Color

37.5736, 29.6183, 76.4096

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

32.0146, 30.3693, 46.8223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5736, 29.6183, 76.4096 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(166, 130, 227)` looks like.

```
.text, #text, p{  
    color:rgb(166, 130, 227)  
}
```

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(166, 130, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 130, 227) }
```

Border

The CSS property to change the border of an element to XYZ 37.5736, 29.6183, 76.4096 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(166, 130, 227) }
```


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

```
.border{ border-color:rgb(166, 130, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 130, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 130, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 130, 227);  
box-shadow:4px 4px 4px 4px rgb(166, 130,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5736, 29.6183, 76.4096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 130, 227) }
```

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

```
.background{ background-color: rgb(166,  
130, 227) }
```

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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