

Converting Colors

XYZ(37.4636, 25.7794, 77.4620)

Have a look what the booklet for
XYZ(37.4636, 25.7794, 77.4620)
contains.

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Color

**XYZ(37.5160, 25.8245,
77.1361)**

Conversions

Conversions Part 1

Format	Color
Hex	B06DE5
RGB	176, 109, 229
RGB Percent	69%, 43%, 90%
CMY	0.3098, 0.5725, 0.1020
CMYK	0.23, 0.52, 0.00, 0.10
HSL	274°, 70%, 66%
HSV	274°, 52%, 90%
XYZ	37.5160, 25.8245, 77.1361
YIQ	142.7130, 1.4120, 51.5240

Conversions

Conversions Part 2

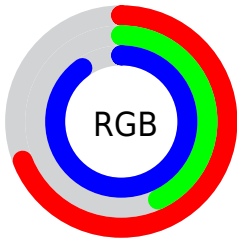
Format	Color
R _Y B	176, 109, 229
Decimal	11562469
CIE Lab	57.87, 48.37, -50.93
CIE LCh	58, 70.236, 313.522
Yxy	25.8245, 0.2671, 0.1838
Android (android.graphics.Color)	4289752549 (0xFFB06DE5)
YUV	142.7130, 42.5395, 29.1927
Hunter-Lab	50.8178, 42.8456, -54.4235

Details

The XYZ color **37.5160, 25.8245, 77.1361** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **45.6804, 64.8247, 24.5736**, and the grayscale version is **25.8307, 27.1759, 29.5945**.

A 20% lighter version of the original color is **64.9020, 50.5531, 100.9448**, and **16.8016, 10.0363, 40.5868** is the 20% darker color. If you saturate the color by 10%, you get **33.1815, 20.4242, 76.3226**, and if you desaturate by 10%, it is **42.6591, 32.5871, 78.1708**.

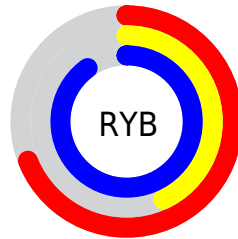
Distribution



Red (69%)

Green (43%)

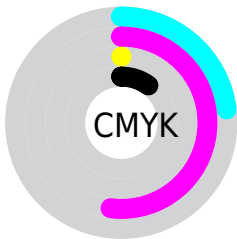
Blue (90%)



Red (69%)

Yellow (43%)

Blue (90%)

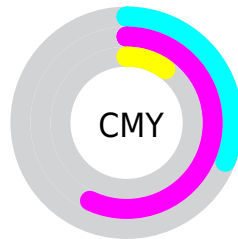


Cyan (23%)

Magenta (52%)

Yellow (0%)

Black (10%)



Cyan (31%)

Magenta (57%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5160, 25.8245, 77.1361 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 37.5160, 25.8245, 77.1361 by changing the saturation by 10% instead.

37.5160, 25.8245,
77.1361

37.5160, 25.8245,
77.1361

326.8560,
281.9195, 504.6779

25.7828, 16.6924,
56.8524

70.6744, 52.9917,
131.1063

16.7930, 10.0154,
40.4781

92.8302, 71.7956,
165.6299

10.1814, 5.4092,
27.5949

119.1910, 94.5921,
205.7372

5.5826, 2.4893,
17.7842

150.1220,
121.7658, 251.8467

2.6312, 0.8713,
10.6273

185.9887,
153.7010, 304.3770

0.9619, 0.0000,
5.7058

227.1564,

0.0000, 0.0000,

190.7821, 363.7466

2.6012

273.9903,
233.3934, 430.3741

■ 0.0000, 0.0000,
0.8930

■ 0.0000, 0.0000,
0.0000

■ 37.5160, 25.8245,
77.1361

■ 37.5160, 25.8245,
77.1361

■ 33.1815, 20.4242,
76.3226

■ 42.6591, 32.5871,
78.1708

■ 29.5985, 16.2802,
75.7116

■ 48.6566, 40.8011,
79.4402

■ 26.7058, 13.2752,
75.2841

■ 55.5538, 50.5512,
80.9586

■ 24.4296, 11.2670,
75.0164

■ 63.3918, 61.9146,
82.7388

■ 23.0241, 10.2356,
74.8914

■ 72.2092, 74.9634,
84.7928

■ 82.0421, 89.7650,
87.1315

■ 88.1905, 96.9151,
88.1876

■ 91.1430, 98.4372,
88.3258

Harmonies

Analogous

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



28.5425, 25.8245, 101.9332



37.5160, 25.8245, 77.1361



43.6483, 25.8245, 43.4853

Triad

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



37.5160, 25.8245, 77.1361



29.4471, 25.8245, 2.9415



11.8975, 25.8245, 40.4581

Complementary

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



37.5160, 25.8245, 77.1361



45.6804, 64.8247, 24.5736

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.



12.0319, 25.8245, 16.8798



37.5160, 25.8245, 77.1361



20.9401, 25.8245, 2.8057

Square

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



37.5160, 25.8245, 77.1361



38.3078, 25.8245, 6.7094



14.9730, 25.8245, 6.0775



14.5508, 25.8245, 73.8579

Rectangle

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



37.5160, 25.8245, 77.1361



44.5892, 25.8245, 25.3566



14.9730, 25.8245, 6.0775



11.6405, 25.8245, 31.0739

Sweetspot

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



37.5170, 25.8255, 77.1367



77.0657, 73.4156, 104.7166



33.5475, 35.1036, 79.1368



16.0505, 15.0688, 22.3126



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.



37.5170, 25.8255, 77.1367



41.8625, 25.4840, 97.3203



51.1017, 32.9238, 73.4742



14.3487, 14.2820, 18.1448



13.3046, 5.9247, 42.8255



1.0895, 0.4926, 3.1696

Inverse Universe

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



44.3039, 30.2047, 37.6778



52.0930, 32.0554, 39.1835



37.4212, 60.5283, 25.9313



14.6401, 14.4732, 16.3053



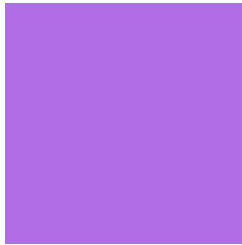
19.8804, 10.0864, 8.2649



1.5152, 0.7638, 0.8534

Previews

White Background



This preview shows how the XYZ color 37.5160, 25.8245, 77.1361 looks on a white background.

Color Contrast Check

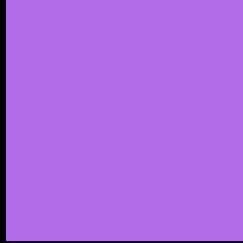
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.5160, 25.8245, 77.1361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

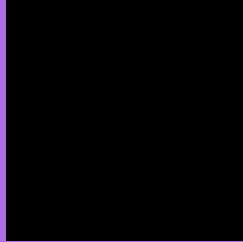
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.5160, 25.8245, 77.1361

Background



This preview shows how black text looks on a background with the XYZ color 37.5160, 25.8245, 77.1361.



This preview shows how white text looks on a background with the XYZ color 37.5160, 25.8245,

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

37.5160, 25.8245, 77.1361

Protanopia

29.8616, 26.1892, 97.2471

Deuteranopia

27.0118, 26.3080, 73.4663



Tritanopia

27.6220, 25.7328, 28.7104

Trichromacy



Original Color

37.5160, 25.8245, 77.1361



Protanomaly

31.0125, 25.1591, 89.6079



Deuteranomaly

29.4669, 25.2743, 74.5595



Tritanomaly

30.3517, 25.2900, 42.8169

Monochromacy



Original Color

37.5160, 25.8245, 77.1361



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

29.2738, 26.2572, 43.5696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5160, 25.8245, 77.1361 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(176, 109, 229)` looks like.

```
.text, #text, p{  
    color:rgb(176, 109, 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(176, 109, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 109, 229) }
```

Border

The CSS property to change the border of an element to XYZ 37.5160, 25.8245, 77.1361 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(176, 109, 229) }
```


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

```
.border{ border-color:rgb(176, 109, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 109, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 109, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 109, 229); box-shadow:4px 4px 4px 4px rgb(176, 109, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5160, 25.8245, 77.1361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 109, 229) }
```

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

```
.background{ background-color: rgb(176,  
109, 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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