

Converting Colors

XYZ(50.4052, 31.2446, 75.2426)

Have a look what the booklet for
XYZ(50.4052, 31.2446, 75.2426)
contains.

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Color

**XYZ(50.3761, 31.2923,
75.3364)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | E465E2 |
| RGB | 228, 101, 226 |
| RGB Percent | 89%, 40%, 89% |
| CMY | 0.1059, 0.6039, 0.1137 |
| CMYK | 0.00, 0.56, 0.01, 0.11 |
| HSL | 301°, 70%, 65% |
| HSV | 301°, 56%, 89% |
| XYZ | 50.3761, 31.2923, 75.3364 |
| YIQ | 153.2230, 35.5670, 65.7990 |

Conversions

Conversions Part 2

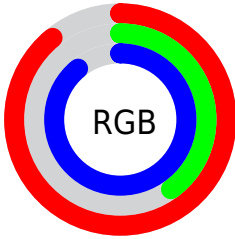
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 228, 101, 226 |
| Decimal | 14968290 |
| CIE Lab | 62.75, 65.18, -41.11 |
| CIE LCh | 63, 77.063, 327.760 |
| Yxy | 31.2923, 0.3209, 0.1993 |
| Android (android.graphics.Color) | 4293158370 (0xFFE465E2) |
| YUV | 153.2230, 35.8791, 65.5794 |
| Hunter-Lab | 55.9395, 62.8533, -40.6910 |

Details

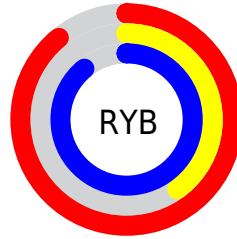
The XYZ color **50.3761, 31.2923, 75.3364** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **35.5598, 59.2342, 22.3929**, and the grayscale version is **30.2143, 31.7878, 34.6169**.

A 20% lighter version of the original color is **71.3470, 52.5939, 100.9990**, and **24.6262, 13.0342, 39.2481** is the 20% darker color. If you saturate the color by 10%, you get **48.4127, 27.4436, 74.4392**, and if you desaturate by 10%, it is **52.9557, 36.3717, 76.4400**.

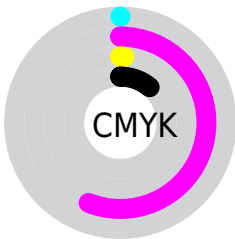
Distribution



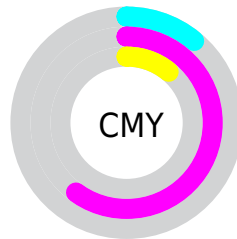
- Red (89%)
- Green (40%)
- Blue (89%)



- Red (89%)
- Yellow (40%)
- Blue (89%)



- Cyan (0%)
- Magenta (56%)
- Yellow (1%)
- Black (11%)





- Cyan (11%)
- Magenta (60%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3761, 31.2923, 75.3364 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 50.3761, 31.2923, 75.3364 by changing the saturation by 10% instead.


 50.3761, 31.2923,
75.3364


 50.3761, 31.2923,
75.3364

378.5626,
307.8827, 498.3593


 35.9313, 20.8215,
55.3851


 89.9204, 61.7000,
128.5399

 24.5510, 12.9936,
39.3095


 115.7506, 82.4057,
162.6292

 15.8698, 7.4241,
26.6909


 146.1067,
107.2918, 202.2683

 9.5224, 3.7287,
17.1108

 181.3540,
136.7427, 247.8757

 5.1433, 1.5230,
10.1507

221.8579,
171.1429, 299.8700

 2.3672, 0.3048,
5.3921

267.9837,

 0.8287, 0.0000,

210.8767, 358.6696

2.4164

320.0969,
256.3285, 424.6932

■ 0.0000, 0.0000,
0.7953

■ 0.0000, 0.0000,
0.0000

■ 50.3761, 31.2923,
75.3364

■ 50.3761, 31.2923,
75.3364

■ 48.4127, 27.4436,
74.4392

■ 52.9557, 36.3717,
76.4400

■ 47.0101, 24.7169,
73.7292


■ 56.1944, 42.7699,
77.7636

■ 46.1085, 22.9922,
73.1867


■ 60.1350, 50.5719,
79.3217


■ 45.6330, 22.1196,
72.7867


■ 64.8160, 59.8544,
81.1270


 45.5055, 21.8983,
72.6406

 70.2729, 70.6886,
83.1916

 76.5390, 83.1409,
85.5263

 81.8307, 93.6444,
87.5368

 81.8808, 93.6644,
87.8005

 81.9310, 93.6845,
88.0649

Harmonies

Analogous

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



40.2098, 31.2923, 115.5072



50.3761, 31.2923, 75.3364



54.9222, 31.2923, 36.3906

Triad

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



50.3761, 31.2923, 75.3364



30.5413, 31.2923, 2.7638



15.1772, 31.2923, 68.8643

Complementary

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



50.3761, 31.2923, 75.3364



35.5598, 59.2342, 22.3929

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.



13.7458, 31.2923, 31.8540



50.3761, 31.2923, 75.3364



21.2701, 31.2923, 4.2022

Square

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



50.3761, 31.2923, 75.3364



41.9102, 31.2923, 4.7895



15.6885, 31.2923, 11.5483



20.1920, 31.2923, 110.4645

Rectangle

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



50.3761, 31.2923, 75.3364



53.5049, 31.2923, 19.2633



15.6885, 31.2923, 11.5483



14.3215, 31.2923, 55.0074

Sweetspot

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



50.3772, 31.2937, 75.3370



82.6363, 75.3482, 104.2205



24.0255, 17.6770, 75.5458



17.4156, 15.5881, 22.2031



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.



50.3772, 31.2937, 75.3370



62.0415, 34.6718, 95.7738



43.3961, 28.5013, 38.5750



14.9848, 14.6111, 18.1204



26.2806, 12.6465, 41.9681



1.9452, 0.9358, 3.1180

Inverse Universe

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



50.3772, 31.2937, 75.3370



62.0415, 34.6718, 95.7738



39.8577, 60.9533, 45.0253



14.9848, 14.6111, 18.1204



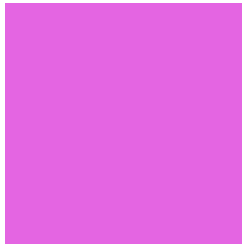
26.2806, 12.6465, 41.9681



1.9452, 0.9358, 3.1180

Previews

White Background



This preview shows how the XYZ color 50.3761, 31.2923, 75.3364 looks on a white background.

Color Contrast Check

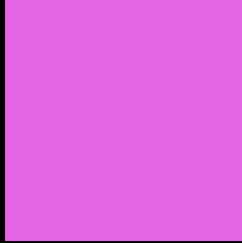
Large Text (above 18pt) WCAG AA × Fail

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 50.3761, 31.2923, 75.3364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

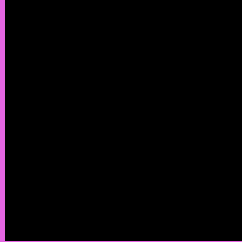
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.3761, 31.2923, 75.3364

Background



This preview shows how black text looks on a background with the XYZ color 50.3761, 31.2923, 75.3364.



This preview shows how white text looks on a background with the XYZ color 50.3761, 31.2923,

75.3364.

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

50.3761, 31.2923, 75.3364

Protanopia

34.8609, 31.8407, 98.9162

Deuteranopia

32.3434, 31.6550, 70.0510



Tritanopia

40.2520, 31.1402, 26.4434

Trichromacy



Original Color

50.3761, 31.2923, 75.3364



Protanomaly

37.3429, 29.6135, 89.3357



Deuteranomaly

36.6156, 29.8349, 71.5390



Tritanomaly

43.0392, 30.6530, 40.2074

Monochromacy



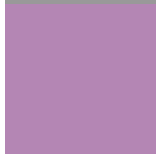
Original Color

50.3761, 31.2923, 75.3364



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

35.5857, 30.0488, 47.1044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3761, 31.2923, 75.3364 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(228, 101, 226)` looks like.

```
.text, #text, p{  
    color:rgb(228, 101, 226)  
}
```

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(228, 101, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 101, 226) }
```

Border

The CSS property to change the border of an element to XYZ 50.3761, 31.2923, 75.3364 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(228, 101, 226) }
```


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

```
.border{ border-color:rgb(228, 101, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 101, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 101, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 101, 226);  
box-shadow:4px 4px 4px 4px rgb(228, 101,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3761, 31.2923, 75.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 101, 226) }
```

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

```
.background{ background-color: rgb(228,  
101, 226) }
```

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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