

Converting Colors

XYZ(51.2563, 33.7054, 75.2282)

Have a look what the booklet for
XYZ(51.2563, 33.7054, 75.2282)
contains.

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Color

**XYZ(51.2865, 33.8018,
75.0555)**

Conversions

Conversions Part 1

Format	Color
Hex	E372E1
RGB	227, 114, 225
RGB Percent	89%, 45%, 88%
CMY	0.1098, 0.5529, 0.1176
CMYK	0.00, 0.50, 0.01, 0.11
HSL	301°, 67%, 67%
HSV	301°, 50%, 89%
XYZ	51.2865, 33.8018, 75.0555
YIQ	160.4410, 31.7170, 58.4770

Conversions

Conversions Part 2

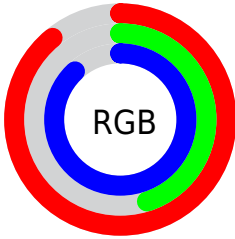
Format	Color
R _Y B	227, 114, 225
Decimal	14906081
CIE Lab	64.80, 58.76, -37.35
CIE LCh	65, 69.630, 327.557
Yxy	33.8018, 0.3203, 0.2111
Android (android.graphics.Color)	4293096161 (0xFFE372E1)
YUV	160.4410, 31.8276, 58.3722
Hunter-Lab	58.1393, 55.7166, -35.8435

Details

The XYZ color **51.2865, 33.8018, 75.0555** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.5624, 59.7779, 26.0835**, and the grayscale version is **33.4657, 35.2085, 38.3420**.

A 20% lighter version of the original color is **73.6647, 57.2295, 101.7716**, and **25.0876, 14.4275, 38.9986** is the 20% darker color. If you saturate the color by 10%, you get **48.9822, 29.2800, 74.0175**, and if you desaturate by 10%, it is **54.2285, 39.5972, 76.3074**.

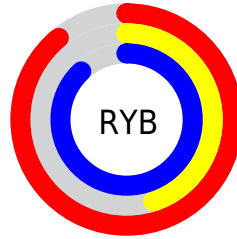
Distribution



Red (89%)

Green (45%)

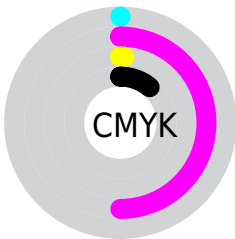
Blue (88%)



Red (89%)

Yellow (45%)

Blue (88%)

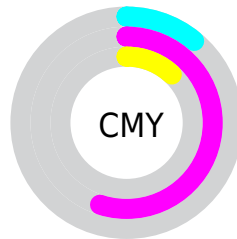


Cyan (0%)

Magenta (50%)

Yellow (1%)

Black (11%)



Cyan (11%)

Magenta (55%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2865, 33.8018, 75.0555 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 51.2865, 33.8018, 75.0555 by changing the saturation by 10% instead.

51.2865, 33.8018,
75.0555

51.2865, 33.8018,
75.0555

382.0452,
319.2474, 497.3688

36.6586, 22.7414,
55.1564

91.2586, 65.6253,
128.1387

25.1158, 14.4027,
39.1275

117.3335, 87.1572,
162.1599

16.2925, 8.4013,
26.5503

147.9549,
112.9484, 201.7255

9.8235, 4.3528,
17.0063

183.4880,
143.3833, 247.2541

5.3435, 1.8728,
10.0770

224.2983,
178.8462, 299.1642

2.4870, 0.5319,
5.3438

270.7510,

0.8887, 0.0000,

219.7216, 357.8743

2.3881

323.2115,
266.3939, 423.8030

■ 0.0000, 0.0000,
0.7800

■ 0.0000, 0.0000,
0.0000

■ 51.2865, 33.8018,
75.0555

■ 51.2865, 33.8018,
75.0555

■ 48.9822, 29.2800,
74.0175

■ 54.2285, 39.5972,
76.3074

■ 47.2642, 25.9315,
73.1752


■ 57.8477, 46.7475,
77.7853


■ 46.0790, 23.6484,
72.5112


■ 62.1845, 55.3328,
79.5030


■ 45.3618, 22.3010,
72.0038


■ 67.2752, 65.4256,
81.4727


 45.0026, 21.6693,
71.6164


 73.1534, 77.0934,
83.7055

 44.9959, 21.6579,
71.6082

 79.8510, 90.3996,
86.2121

 81.4168, 93.4423,
87.0087

 81.4726, 93.4646,
87.3027

 81.5286, 93.4870,
87.5973

Harmonies

Analogous

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



41.8915, 33.8018, 110.6070



51.2865, 33.8018, 75.0555



55.4797, 33.8018, 39.2075

Triad

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



51.2865, 33.8018, 75.0555



32.9561, 33.8018, 4.6189



17.8938, 33.8018, 68.6914

Complementary

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



51.2865, 33.8018, 75.0555



37.5624, 59.7779, 26.0835

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.



16.4657, 33.8018, 34.5016



51.2865, 33.8018, 75.0555



24.0125, 33.8018, 6.3569

Square

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



51.2865, 33.8018, 75.0555



43.6128, 33.8018, 7.1149



18.4557, 33.8018, 14.4284



22.8597, 33.8018, 105.7796

Rectangle

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



51.2865, 33.8018, 75.0555



54.2227, 33.8018, 22.5419



18.4557, 33.8018, 14.4284



17.0357, 33.8018, 56.0861

Sweetspot

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



51.2877, 33.8033, 75.0562



83.9296, 77.9334, 104.6562



27.0710, 21.2874, 75.3562



17.6698, 16.0970, 22.2864



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.



51.2877, 33.8033, 75.0562



63.6082, 37.8095, 96.2828



44.8228, 31.2174, 41.0126



14.9835, 14.6106, 18.1137



26.2463, 12.6327, 41.7875



1.9431, 0.9349, 3.1066

Inverse Universe

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



51.2877, 33.8033, 75.0562



63.6082, 37.8095, 96.2828



41.8933, 61.5102, 48.8894



14.9835, 14.6106, 18.1137



26.2463, 12.6327, 41.7875



1.9431, 0.9349, 3.1066

Previews

White Background



This preview shows how the XYZ color 51.2865, 33.8018, 75.0555 looks on a white background.

Color Contrast Check

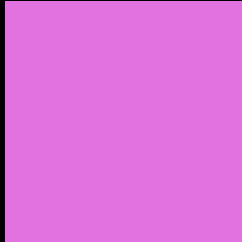
Large Text (above 18pt) WCAG AA × Fail

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 51.2865, 33.8018, 75.0555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

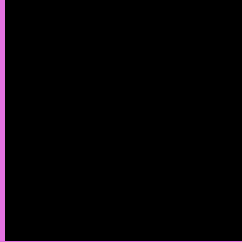
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2865, 33.8018, 75.0555

Background



This preview shows how black text looks on a background with the XYZ color 51.2865, 33.8018, 75.0555.



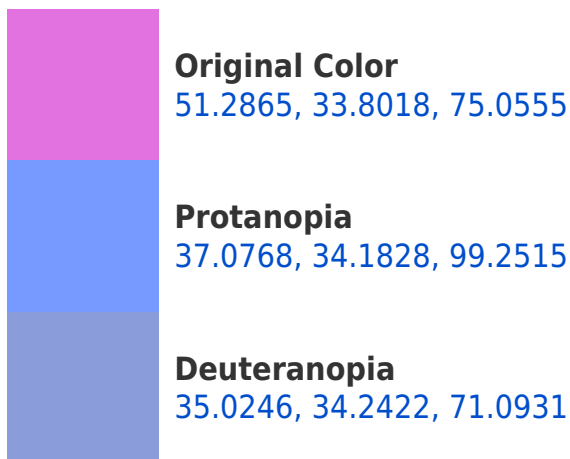
This preview shows how white text looks on a background with the XYZ color 51.2865, 33.8018,

75.0555.

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

42.1744, 33.8155, 30.6898

Trichromacy



Original Color

51.2865, 33.8018, 75.0555



Protanomaly

39.6623, 32.2660, 89.7255



Deuteranomaly

39.1536, 32.8163, 72.6772



Tritanomaly

44.9510, 33.5680, 43.6453

Monochromacy



Original Color

51.2865, 33.8018, 75.0555



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

38.2414, 33.2960, 49.7586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2865, 33.8018, 75.0555 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(227, 114, 225)` looks like.

```
.text, #text, p{  
    color:rgb(227, 114, 225)  
}
```

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(227, 114, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 114, 225) }
```

Border

The CSS property to change the border of an element to XYZ 51.2865, 33.8018, 75.0555 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(227, 114, 225) }
```


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

```
.border{ border-color:rgb(227, 114, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 114, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 114, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 114, 225);  
box-shadow:4px 4px 4px 4px rgb(227, 114,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2865, 33.8018, 75.0555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 114, 225) }
```

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

```
.background{ background-color: rgb(227,  
114, 225) }
```

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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