

Converting Colors

XYZ(33.2472, 23.8705, 65.8063)

Have a look what the booklet for
XYZ(33.2472, 23.8705, 65.8063)
contains.

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Color

**XYZ(33.2048, 23.8484,
65.8039)**

Conversions

Conversions Part 1

Format	Color
Hex	A66DD5
RGB	166, 109, 213
RGB Percent	65%, 43%, 84%
CMY	0.3490, 0.5725, 0.1647
CMYK	0.22, 0.49, 0.00, 0.16
HSL	273°, 55%, 63%
HSV	273°, 49%, 84%
XYZ	33.2048, 23.8484, 65.8039
YIQ	137.8990, 0.5880, 44.4280

Conversions

Conversions Part 2

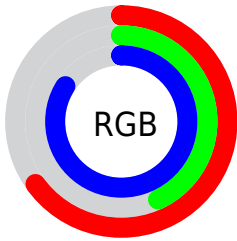
Format	Color
R _Y B	166, 109, 213
Decimal	10907093
CIE Lab	55.94, 42.08, -45.07
CIE LCh	56, 61.658, 313.037
Yxy	23.8484, 0.2703, 0.1941
Android (android.graphics.Color)	4289097173 (0xFFA66DD5)
YUV	137.8990, 37.0248, 24.6446
Hunter-Lab	48.8348, 35.9085, -45.7077

Details

The XYZ color **33.2048, 23.8484, 65.8039** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **40.2654, 55.7610, 23.1096**, and the grayscale version is **23.9831, 25.2321, 27.4778**.

A 20% lighter version of the original color is **61.4018, 48.7486, 100.7809**, and **14.2911, 8.9761, 33.3271** is the 20% darker color. If you saturate the color by 10%, you get **29.2590, 18.8405, 65.0457**, and if you desaturate by 10%, it is **37.8539, 30.0370, 66.7538**.

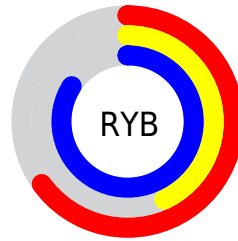
Distribution



Red (65%)

Green (43%)

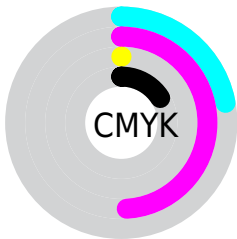
Blue (84%)



Red (65%)

Yellow (43%)

Blue (84%)

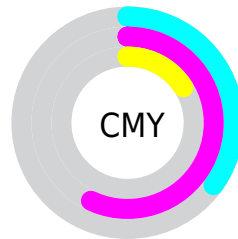


Cyan (22%)

Magenta (49%)

Yellow (0%)

Black (16%)



Cyan (35%)

Magenta (57%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2048, 23.8484, 65.8039 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 33.2048, 23.8484, 65.8039 by changing the saturation by 10% instead.

33.2048, 23.8484,
65.8039

33.2048, 23.8484,
65.8039

308.2203,
272.0531, 464.0603

22.4434, 15.2212,
47.6578

64.0477, 49.7827,
114.8291

14.3015, 8.9748,
33.1979

84.8598, 67.8586,
146.5453

8.4137, 4.7247,
22.0057

109.7530, 89.8528,
183.6219

4.4148, 2.0867,
13.6627

139.0924,
116.1498, 226.4775

1.9394, 0.6571,
7.7504

173.2435,
147.1340, 275.5306

0.5996, 0.0000,
3.8502

212.5716,

0.0000, 0.0000,

183.1896, 331.1997

1.5435

257.4420,
224.7012, 393.9034

■ 0.0000, 0.0000,
0.2500

■ 0.0000, 0.0000,
0.0000

■ 33.2048, 23.8484,
65.8039

■ 33.2048, 23.8484,
65.8039

■ 29.2590, 18.8405,
65.0457

■ 37.8539, 30.0370,
66.7538

■ 25.9702, 14.9279,
64.4638


■ 43.2432, 37.4780,
67.9060


■ 23.2897, 12.0177,
64.0433


■ 49.4100, 46.2403,
69.2723


■ 21.1598, 9.9998,
63.7661


■ 56.3881, 56.3873,
70.8631


 19.4915, 8.7012,
63.6034


 64.2092, 67.9778,
72.6880

 19.3119, 8.5682,
63.5872

 72.9030, 81.0674,
74.7564

 81.4999, 93.7124,
76.7440

 84.7356, 95.3804,
76.8954

 88.1456, 97.1383,
77.0550

Harmonies

Analogous

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



25.8564, 23.8484, 84.9181



33.2048, 23.8484, 65.8039



38.2172, 23.8484, 38.9837

Triad

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



33.2048, 23.8484, 65.8039



26.8457, 23.8484, 3.7467



11.8807, 23.8484, 35.7191

Complementary

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



33.2048, 23.8484, 65.8039



40.2654, 55.7610, 23.1096

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.



12.0373, 23.8484, 16.2276



33.2048, 23.8484, 65.8039



19.7516, 23.8484, 3.5609

Square

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



33.2048, 23.8484, 65.8039



34.0570, 23.8484, 7.4899



14.6344, 23.8484, 6.7004



14.1505, 23.8484, 62.3779

Rectangle

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



33.2048, 23.8484, 65.8039



39.0294, 23.8484, 23.9687



14.6344, 23.8484, 6.7004



11.6678, 23.8484, 28.0731

Sweetspot

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



33.2057, 23.8493, 65.8044



77.9625, 74.8446, 104.9451



30.4651, 32.3510, 67.5899



16.2227, 15.3479, 22.3574



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.



33.2057, 23.8493, 65.8044



43.5516, 27.7977, 97.6778



44.4846, 29.7141, 64.0596



12.3867, 12.3407, 15.6667



11.9157, 5.2953, 38.8472



0.8135, 0.3683, 2.3475

Inverse Universe

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



38.9106, 27.4845, 34.7073



53.7443, 34.2711, 43.0849



33.0523, 52.0206, 23.7657



12.6542, 12.5132, 14.1194



18.1089, 9.1799, 7.8775



1.1337, 0.5702, 0.6932

Previews

White Background



This preview shows how the XYZ color 33.2048, 23.8484, 65.8039 looks on a white background.

Color Contrast Check

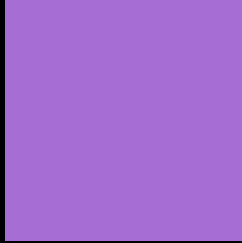
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2048, 23.8484, 65.8039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

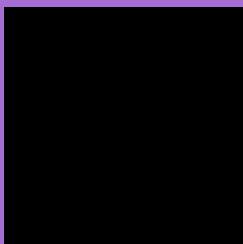
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.2048, 23.8484, 65.8039

Background



This preview shows how black text looks on a background with the XYZ color 33.2048, 23.8484, 65.8039.

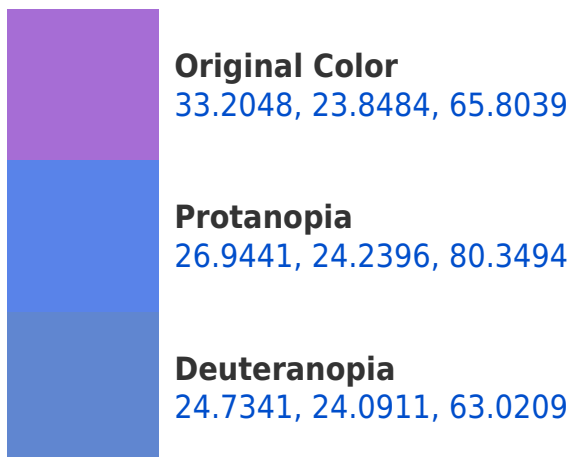


This preview shows how white text looks on a background with the XYZ color 33.2048, 23.8484,

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

25.2416, 23.7572, 26.9221

Trichromacy



Original Color

33.2048, 23.8484, 65.8039



Protanomaly

28.1465, 23.4388, 74.9922



Deuteranomaly

26.8516, 23.3853, 64.0714



Tritanomaly

27.6086, 23.4187, 38.6624

Monochromacy



Original Color

33.2048, 23.8484, 65.8039



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

26.5936, 24.1913, 38.8651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2048, 23.8484, 65.8039 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, 109, 213)` looks like.

```
.text, #text, p{  
    color:rgb(166, 109, 213)  
}
```

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, 109, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 109, 213) }
```

Border

The CSS property to change the border of an element to XYZ 33.2048, 23.8484, 65.8039 is called "border". The border property can be set on classes, ids or directly on the HTML element.

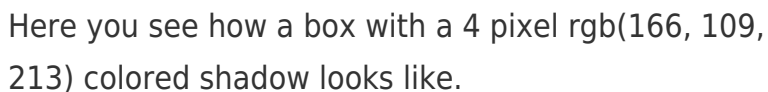
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 109, 213) }
```


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

```
.border{ border-color:rgb(166, 109, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 109, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 109, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 109, 213); box-shadow:4px 4px 4px 4px rgb(166, 109, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2048, 23.8484, 65.8039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 109, 213) }
```

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

```
.background{ background-color: rgb(166,  
109, 213) }
```

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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