

Converting Colors

XYZ(19.4700, 8.3872, 75.4560)

Have a look what the booklet for
XYZ(19.4700, 8.3872, 75.4560)
contains.

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Color

**XYZ(19.4285, 8.3658,
75.4537)**

Conversions

Conversions Part 1

Format	Color
Hex	6300E6
RGB	99, 0, 230
RGB Percent	39%, 0%, 90%
CMY	0.6117, 1.0000, 0.0980
CMYK	0.57, 1.00, 0.00, 0.10
HSL	266°, 100%, 45%
HSV	266°, 100%, 90%
XYZ	19.4285, 8.3658, 75.4537
YIQ	55.8210, -14.8260, 92.5180

Conversions

Conversions Part 2

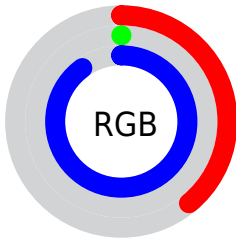
Format	Color
RYB	99, 0, 230
Decimal	6488294
CIELab	34.73, 75.86, -89.51
CIELCh	35, 117.333, 310.279
Yxy	8.3658, 0.1882, 0.0810
Android (android.graphics.Color)	4284678374 (0xFF6300E6)
YUV	55.8210, 85.8702, 37.8680
Hunter-Lab	28.9237, 69.2848, -134.4242

Details

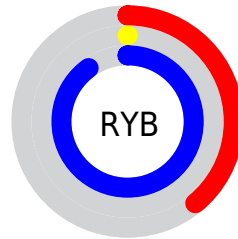
The XYZ color **19.4285, 8.3658, 75.4537** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **37.6561, 61.4187, 9.8703**, and the grayscale version is **3.6316, 3.8207, 4.1607**.

A 20% lighter version of the original color is **35.9443, 20.2814, 96.6280**, and **7.5428, 3.0171, 39.7200** is the 20% darker color. If you saturate the color by 10%, you get **19.4293, 8.3662, 75.4540**, and if you desaturate by 10%, it is **21.2849, 9.7777, 75.6286**.

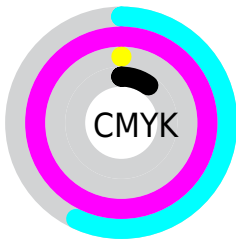
Distribution



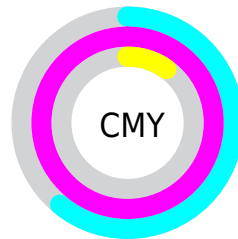
- Red (39%)
- Green (0%)
- Blue (90%)



- Red (39%)
- Yellow (0%)
- Blue (90%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)



- Cyan (61%)
- Magenta (100%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4285, 8.3658, 75.4537 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 19.4285, 8.3658, 75.4537 by changing the saturation by 10% instead.

■ 19.4285, 8.3658,
75.4537

■ 19.4285, 8.3658,
75.4537

241.6972,
178.5737, 498.7725

■ 12.0861, 4.3299,
55.4807

■ 41.9682, 22.6725,
128.7074

■ 6.8750, 1.8598,
39.3855

■ 57.8963, 33.7121,
162.8251

■ 3.4297, 0.5240,
26.7496

■ 77.4170, 47.8550,
202.4949

■ 1.3848, 0.0000,
17.1545

■ 100.8957, 65.4857,
248.1352

■ 0.2454, 0.0000,
10.1816

■ 128.6977, 86.9885,
300.1646


■ 0.0000, 0.0000,
5.4123


■ 161.1883,


■ 0.0000, 0.0000,


112.7478, 359.0015


2.4282


 198.7331,
143.1481, 425.0647

 0.0000, 0.0000,
0.8018


 0.0000, 0.0000,
0.0000


 19.4285, 8.3658,
75.4537


 19.4285, 8.3658,
75.4537

 19.4293, 8.3662,
75.4540

 21.2849, 9.7777,
75.6286

 23.7474, 12.0426,
75.9360

 26.9428, 15.3987,
76.4154

 30.9478, 19.9855,
77.0897

■ 35.8277, 25.9209,
77.9781

■ 41.6406, 33.3083,
79.0976

■ 48.4389, 42.2408,
80.4635

■ 56.2710, 52.8037,
82.0895

■ 65.1817, 65.0756,
83.9886

Harmonies

Analogous

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



10.4610, 8.3658, 113.7236



19.4285, 8.3658, 75.4537



27.1098, 8.3658, 27.9216

Triad

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



19.4285, 8.3658, 75.4537



13.0996, 8.3658, 0.0000



0.8364, 8.3658, 17.3403

Complementary

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



19.4285, 8.3658, 75.4537



37.6561, 61.4187, 9.8703

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.



0.9639, 8.3658, 1.4938



19.4285, 8.3658, 75.4537



5.8792, 8.3658, 0.0000

Square

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



19.4285, 8.3658, 75.4537



22.2584, 8.3658, 0.0000



2.2152, 8.3658, 0.0000



1.6385, 8.3658, 59.2996

Rectangle

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



19.4285, 8.3658, 75.4537



28.8459, 8.3658, 8.9316



2.2152, 8.3658, 0.0000



0.7905, 8.3658, 9.2886

Sweetspot

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



19.4293, 8.3662, 75.4540



61.0575, 53.1727, 101.6530



22.8312, 22.8096, 78.0626



12.2577, 10.3072, 21.5934



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.



19.4293, 8.3662, 75.4540



24.4515, 10.5201, 95.3496



41.0993, 19.5375, 76.4681



14.1683, 14.1890, 18.1363



11.1337, 4.8055, 42.7239



0.9274, 0.4091, 3.1620

Inverse Universe

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



36.7296, 18.4616, 23.0982



46.3688, 23.3115, 28.9377



28.5687, 56.7340, 9.4450



14.7192, 14.5049, 16.7217



20.8566, 10.4769, 13.4058



1.5876, 0.7927, 1.2348

Previews

White Background



This preview shows how the XYZ color 19.4285, 8.3658, 75.4537 looks on a white background.

Color Contrast Check

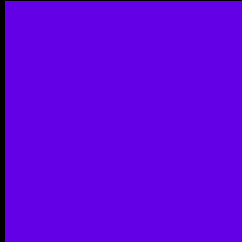
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 19.4285, 8.3658, 75.4537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

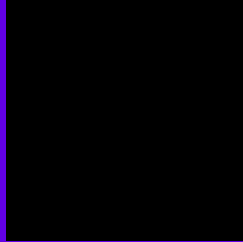
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4285, 8.3658, 75.4537

Background



This preview shows how black text looks on a background with the XYZ color 19.4285, 8.3658, 75.4537.



This preview shows how white text looks on a background with the XYZ color 19.4285, 8.3658,

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

19.4285, 8.3658, 75.4537

Protanopia

10.0301, 8.6019, 38.6678

Deuteranopia

8.3618, 8.6692, 27.6182



Tritanopia

6.9490, 8.6362, 12.6100

Trichromacy



Original Color

19.4285, 8.3658, 75.4537

Protanomaly

11.3154, 6.5043, 49.9493

Deuteranomaly

9.8316, 6.2026, 41.2365

Tritanomaly

8.8887, 6.1639, 27.5093

Monochromacy



Original Color

19.4285, 8.3658, 75.4537

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.6331, 3.9714, 17.8697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4285, 8.3658, 75.4537 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(99, 0, 230)` looks like.

```
.text, #text, p{  
    color:rgb(99, 0, 230)  
}
```

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(99, 0, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 0, 230) }
```

Border

The CSS property to change the border of an element to XYZ 19.4285, 8.3658, 75.4537 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(99, 0, 230) }
```


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

```
.border{ border-color:rgb(99, 0, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 0, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 0, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 0, 230);  
box-shadow:4px 4px 4px 4px rgb(99, 0, 230)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.4285, 8.3658, 75.4537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 0, 230) }
```

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

```
.background{ background-color: rgb(99, 0,  
230) }
```

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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