

Converting Colors

XYZ(30.6959, 19.2446, 65.7150)

Have a look what the booklet for
XYZ(30.6959, 19.2446, 65.7150)
contains.

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Color

**XYZ(30.6959, 19.2446,
65.7150)**

Conversions

Conversions Part 1

Format	Color
Hex	A455D6
RGB	164, 85, 214
RGB Percent	64%, 33%, 84%
CMY	0.3569, 0.6667, 0.1608
CMYK	0.23, 0.60, 0.00, 0.16
HSL	277°, 61%, 59%
HSV	277°, 60%, 84%
XYZ	30.6959, 19.2446, 65.7150
YIQ	123.3270, 5.6750, 56.8670

Conversions

Conversions Part 2

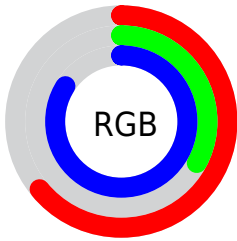
Format	Color
RYB	164, 85, 214
Decimal	10769878
CIELab	50.97, 54.37, -53.55
CIELCh	51, 76.313, 315.437
Yxy	19.2446, 0.2654, 0.1664
Android (android.graphics.Color)	4288959958 (0xFFA455D6)
YUV	123.3270, 44.7018, 35.6702
Hunter-Lab	43.8687, 48.1303, -58.1080

Details

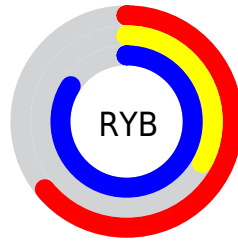
The XYZ color **30.6959, 19.2446, 65.7150** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **35.6785, 53.9003, 17.1184**, and the grayscale version is **18.7911, 19.7697, 21.5292**.

A 20% lighter version of the original color is **57.2627, 40.9266, 99.4893**, and **12.8459, 6.6367, 32.9517** is the 20% darker color. If you saturate the color by 10%, you get **27.6026, 15.5161, 65.1587**, and if you desaturate by 10%, it is **34.4118, 24.0508, 66.4472**.

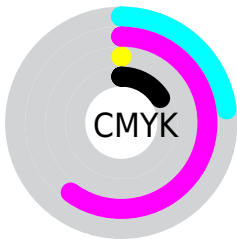
Distribution



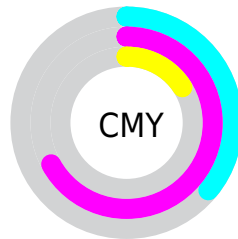
- Red (64%)
- Green (33%)
- Blue (84%)



- Red (64%)
- Yellow (33%)
- Blue (84%)



- Cyan (23%)
- Magenta (60%)
- Yellow (0%)
- Black (16%)





- Cyan (36%)
- Magenta (67%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6959, 19.2446, 65.7150 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 30.6959, 19.2446, 65.7150 by changing the saturation by 10% instead.

 30.6959, 19.2446,
65.7150


 30.6959, 19.2446,
65.7150


296.9868,
247.7958, 463.7333


 20.5181, 11.8472,
47.5861

 60.1401, 42.1470,
114.7003


 12.8826, 6.6397,
33.1415


 80.1372, 58.4208,
146.3937


 7.4242, 3.2378,
21.9629


 104.1380, 78.4221,
183.4457

 3.7775, 1.2571,
13.6316

 132.5081,
102.5353, 226.2748

 1.5770, 0.1076,
7.7291

 165.6126,
131.1449, 275.2996

 0.3774, 0.0000,
3.8368

203.8170,

 0.0000, 0.0000,

164.6353, 330.9386

1.5362

247.4866,
203.3908, 393.6103

■ 0.0000, 0.0000,
0.2447

■ 0.0000, 0.0000,
0.0000

■ 30.6959, 19.2446,
65.7150

■ 30.6959, 19.2446,
65.7150

■ 27.6026, 15.5161,
65.1587

■ 34.4118, 24.0508,
66.4472

■ 25.0797, 12.7668,
64.7610

■ 38.7915, 30.0166,
67.3679

■ 23.0695, 10.8834,
64.5034

■ 43.8752, 37.2186,
68.4901

■ 21.5063, 9.6848,
64.3545

■ 49.6990, 45.7260,
69.8252

■ 56.2961, 55.6027,
71.3839

■ 63.6978, 66.9084,
73.1760

■ 71.9335, 79.6991,
75.2108

■ 80.6458, 93.2574,
77.3686

■ 83.3771, 94.6654,
77.4964

Harmonies

Analogous

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



22.4308, 19.2446, 91.9298



30.6959, 19.2446, 65.7150



36.2306, 19.2446, 33.2324

Triad

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



30.6959, 19.2446, 65.7150



22.1868, 19.2446, 0.9804



7.5688, 19.2446, 34.0722

Complementary

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



30.6959, 19.2446, 65.7150



35.6785, 53.9003, 17.1184

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.



7.5371, 19.2446, 12.1476



30.6959, 19.2446, 65.7150



14.6954, 19.2446, 1.0019

Square

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



30.6959, 19.2446, 65.7150



30.4754, 19.2446, 3.1042



9.7803, 19.2446, 3.2314



9.8838, 19.2446, 66.6801

Rectangle

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



30.6959, 19.2446, 65.7150



36.8664, 19.2446, 17.2589



9.7803, 19.2446, 3.2314



7.3173, 19.2446, 25.1423

Sweetspot

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



30.6967, 19.2453, 65.7154



75.8701, 70.9106, 104.2961



24.7735, 24.5650, 67.0544



15.6543, 14.3108, 22.1871



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.



30.6967, 19.2453, 65.7154



40.0571, 21.9479, 96.7329



41.5349, 25.0155, 57.9598



12.4653, 12.3813, 15.6704



13.1187, 5.9154, 38.9035



0.8826, 0.4039, 2.3507

Inverse Universe

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



35.3538, 22.5431, 25.4102



48.4436, 27.7874, 28.6232



29.9933, 50.9048, 19.7761



12.6205, 12.4997, 13.9419



17.7518, 9.0370, 5.9971



1.1106, 0.5610, 0.5720

Previews

White Background



This preview shows how the XYZ color 30.6959, 19.2446, 65.7150 looks on a white background.

Color Contrast Check

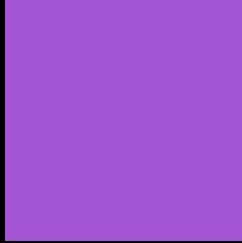
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.6959, 19.2446, 65.7150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

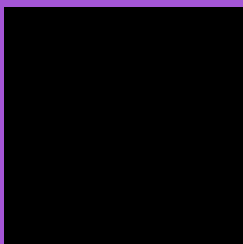
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.6959, 19.2446, 65.7150

Background



This preview shows how black text looks on a background with the XYZ color 30.6959, 19.2446, 65.7150.

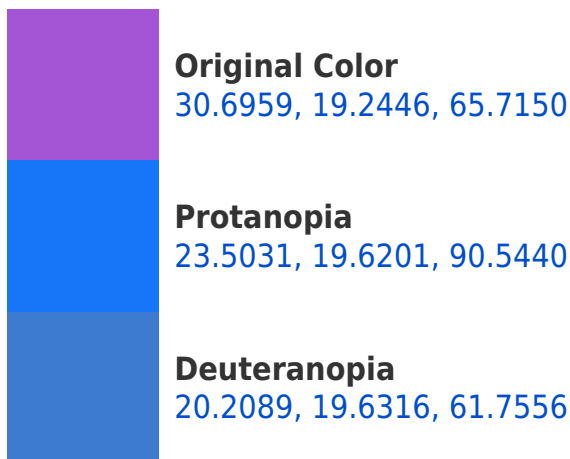


This preview shows how white text looks on a background with the XYZ color 30.6959, 19.2446,

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

21.4690, 19.1145, 20.3272

Trichromacy



Original Color

30.6959, 19.2446, 65.7150



Protanomaly

22.8710, 17.5572, 80.7807



Deuteranomaly

22.1385, 18.1871, 63.3164



Tritanomaly

23.9105, 18.7059, 32.9222

Monochromacy



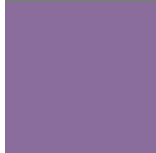
Original Color

30.6959, 19.2446, 65.7150



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

21.9506, 18.7409, 33.9129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6959, 19.2446, 65.7150 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(164, 85, 214)` looks like.

```
.text, #text, p{  
    color:rgb(164, 85, 214)  
}
```

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(164, 85, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 85, 214) }
```

Border

The CSS property to change the border of an element to XYZ 30.6959, 19.2446, 65.7150 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(164, 85, 214) }
```


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

```
.border{ border-color:rgb(164, 85, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 85, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 85, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 85, 214);  
box-shadow:4px 4px 4px 4px rgb(164, 85,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6959, 19.2446, 65.7150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 85, 214) }
```

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

```
.background{ background-color: rgb(164, 85,  
214) }
```

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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