

Converting Colors

XYZ(33.5719, 25.6088, 77.6689)

Have a look what the booklet for
XYZ(33.5719, 25.6088, 77.6689)
contains.

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Color

**XYZ(33.5771, 25.6301,
78.0403)**

Conversions

Conversions Part 1

Format	Color
Hex	9678E6
RGB	150, 120, 230
RGB Percent	59%, 47%, 90%
CMY	0.4117, 0.5294, 0.0980
CMYK	0.35, 0.48, 0.00, 0.10
HSL	256°, 69%, 69%
HSV	256°, 48%, 90%
XYZ	33.5771, 25.6301, 78.0403
YIQ	141.5100, -17.4300, 40.5700

Conversions

Conversions Part 2

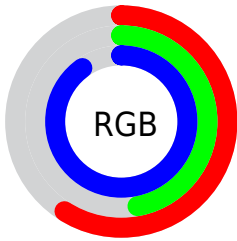
Format	Color
R_{YB}	150, 120, 230
Decimal	9861350
CIE _{Lab}	57.68, 35.85, -51.94
CIE _{LCh}	58, 63.116, 304.615
Yxy	25.6301, 0.2446, 0.1867
Android (android.graphics.Color)	4288051430 (0xFF9678E6)
YUV	141.5100, 43.6256, 7.4457
Hunter-Lab	50.6262, 29.7918, -55.9573

Details

The XYZ color **33.5771, 25.6301, 78.0403** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **55.5064, 70.2293, 28.4001**, and the grayscale version is **25.3573, 26.6778, 29.0521**.

A 20% lighter version of the original color is **58.7257, 50.3725, 101.2354**, and **14.6125, 9.9954, 41.2035** is the 20% darker color. If you saturate the color by 10%, you get **28.2746, 19.2721, 77.0930**, and if you desaturate by 10%, it is **39.9853, 33.5450, 79.2308**.

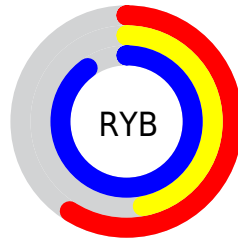
Distribution



Red (59%)

Green (47%)

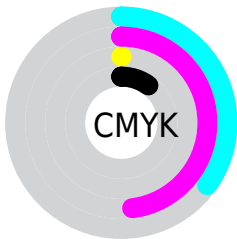
Blue (90%)



Red (59%)

Yellow (47%)

Blue (90%)

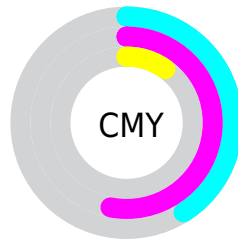


Cyan (35%)

Magenta (48%)

Yellow (0%)

Black (10%)



Cyan (41%)

Magenta (53%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5771, 25.6301, 78.0403 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 33.5771, 25.6301, 78.0403 by changing the saturation by 10% instead.

■ 33.5771, 25.6301,
78.0403

■ 33.5771, 25.6301,
78.0403

309.8614,
280.9615, 507.8352

■ 22.7303, 16.5471,
57.5904

■ 64.6242, 52.6776,
132.3933

■ 14.5141, 9.9121,
41.0670

■ 85.5551, 71.4109,
167.1336

■ 8.5631, 5.3407,
28.0513

■ 110.5781, 94.1298,
207.4743

■ 4.5122, 2.4485,
18.1250

140.0585,
121.2186, 253.8342

■ 1.9958, 0.8507,
10.8694

174.3616,
153.0618, 306.6317

■ 0.6316, 0.0000,
5.8660

213.8530,

■ 0.0000, 0.0000,

190.0438, 366.2853

2.6963

258.8978,
232.5489, 433.2136

■ 0.0000, 0.0000,
0.9416

■ 0.0000, 0.0000,
0.0000

■ 33.5771, 25.6301,
78.0403

■ 33.5771, 25.6301,
78.0403

■ 28.2746, 19.2721,
77.0930

■ 39.9853, 33.5450,
79.2308

■ 24.0077, 14.3618,
76.3702

■ 47.5571, 43.1099,
80.6779

■ 20.7029, 10.7803,
75.8530

■ 56.3498, 54.4141,
82.3964

■ 18.2741, 8.3872,
75.5191

■ 66.4160, 67.5394,
84.3993

■ 16.6091, 6.9929,
75.3378

■ 77.8050, 82.5625,
86.6988

■ 16.3158, 6.7612,
75.3085

■ 89.5983, 97.6247,
88.9845

■ 91.2830, 98.4932,
89.0634

Harmonies

Analogous

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



25.5481, 25.6301, 93.2839



33.5771, 25.6301, 78.0403



39.9782, 25.6301, 49.8045

Triad

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



33.5771, 25.6301, 78.0403



31.1320, 25.6301, 4.6724



12.5627, 25.6301, 31.3893

Complementary

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



33.5771, 25.6301, 78.0403



55.5064, 70.2293, 28.4001

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.



13.4544, 25.6301, 13.6041



33.5771, 25.6301, 78.0403



23.2106, 25.6301, 3.5898

Square

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



33.5771, 25.6301, 78.0403



38.3742, 25.6301, 10.3201



17.0069, 25.6301, 5.7646



14.2566, 25.6301, 58.8299

Rectangle

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



33.5771, 25.6301, 78.0403



41.8690, 25.6301, 31.9947



17.0069, 25.6301, 5.7646



12.5736, 25.6301, 24.1829

Sweetspot

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



33.5781, 25.6310, 78.0409



75.7848, 74.7038, 105.0327



42.8383, 51.3249, 82.5123



15.6481, 15.2449, 22.3678



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.



33.5781, 25.6310, 78.0409



36.0364, 24.7137, 97.4786



45.9933, 32.0313, 78.6219



13.9499, 14.0764, 18.1261



9.3377, 3.8796, 42.6399



0.7773, 0.3317, 3.1550

Inverse Universe

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



49.7752, 34.4266, 58.6644



59.0898, 37.2611, 68.6079



43.4825, 64.0307, 27.8374



14.8186, 14.5446, 17.2450



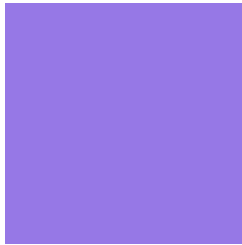
22.4919, 11.1310, 22.0169



1.7006, 0.8379, 1.8298

Previews

White Background



This preview shows how the XYZ color 33.5771, 25.6301, 78.0403 looks on a white background.

Color Contrast Check

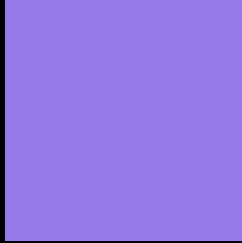
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5771, 25.6301, 78.0403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

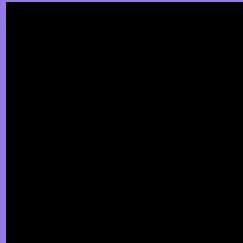
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5771, 25.6301, 78.0403

Background



This preview shows how black text looks on a background with the XYZ color 33.5771, 25.6301, 78.0403.



This preview shows how white text looks on a background with the XYZ color 33.5771, 25.6301,

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

33.5771, 25.6301, 78.0403

Protanopia

29.0176, 25.9343, 89.0644

Deuteranopia

26.7064, 25.8875, 75.5407



Tritanopia

24.4105, 25.6538, 32.5193

Trichromacy



Original Color

33.5771, 25.6301, 78.0403

Protanomaly

30.1182, 25.5768, 85.0108

Deuteranomaly

28.4231, 25.2998, 76.0583

Tritanomaly

27.0354, 25.2462, 46.0959

Monochromacy



Original Color

33.5771, 25.6301, 78.0403

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.8421, 26.1259, 43.6198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5771, 25.6301, 78.0403 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(150, 120, 230)` looks like.

```
.text, #text, p{  
    color:rgb(150, 120, 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(150, 120, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 120, 230) }
```

Border

The CSS property to change the border of an element to XYZ 33.5771, 25.6301, 78.0403 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(150, 120, 230) }
```


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

```
.border{ border-color:rgb(150, 120, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 120, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 120, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 120, 230);  
box-shadow:4px 4px 4px 4px rgb(150, 120,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5771, 25.6301, 78.0403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 120, 230) }
```

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

```
.background{ background-color: rgb(150,  
120, 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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