

Converting Colors

XYZ(29.4588, 22.4756, 55.0589)

Have a look what the booklet for
XYZ(29.4588, 22.4756, 55.0589)
contains.

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Color

**XYZ(29.3585, 22.4223,
55.0051)**

Conversions

Conversions Part 1

Format	Color
Hex	9C6FC4
RGB	156, 111, 196
RGB Percent	61%, 44%, 77%
CMY	0.3882, 0.5647, 0.2314
CMYK	0.20, 0.43, 0.00, 0.23
HSL	272°, 42%, 60%
HSV	272°, 43%, 77%
XYZ	29.3585, 22.4223, 55.0051
YIQ	134.1450, -0.4650, 35.9750

Conversions

Conversions Part 2

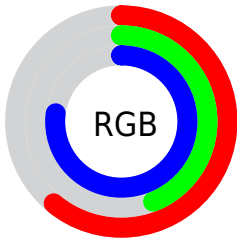
Format	Color
R_{YB}	156, 111, 196
Decimal	10252228
CIE _{Lab}	54.47, 34.23, -37.78
CIE _{LCh}	54, 50.981, 312.175
Yxy	22.4223, 0.2749, 0.2100
Android (android.graphics.Color)	4288442308 (0xFF9C6FC4)
YUV	134.1450, 30.4945, 19.1668
Hunter-Lab	47.3522, 27.8042, -35.7257

Details

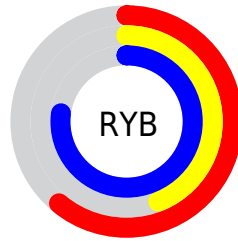
The XYZ color **29.3585, 22.4223, 55.0051** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **35.3723, 47.2074, 22.2874**, and the grayscale version is **22.6055, 23.7828, 25.8994**.

A 20% lighter version of the original color is **57.9782, 47.2833, 98.9993**, and **12.1986, 8.2818, 26.5468** is the 20% darker color. If you saturate the color by 10%, you get **25.7324, 17.7194, 54.2888**, and if you desaturate by 10%, it is **33.5910, 28.1353, 55.8851**.

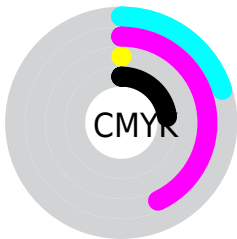
Distribution



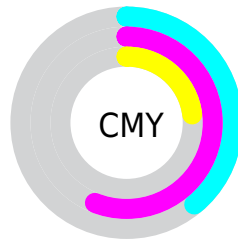
- Red (61%)
- Green (44%)
- Blue (77%)



- Red (61%)
- Yellow (44%)
- Blue (77%)



- Cyan (20%)
- Magenta (43%)
- Yellow (0%)
- Black (23%)



- Cyan (39%)
- Magenta (56%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3585, 22.4223, 55.0051 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 29.3585, 22.4223, 55.0051 by changing the saturation by 10% instead.

■ 29.3585, 22.4223,
55.0051

■ 29.3585, 22.4223,
55.0051

290.8665,
264.7438, 423.2138

■ 19.4978, 14.1675,
39.0072

■ 58.0398, 47.4430,
99.0197

■ 12.1367, 8.2373,
26.4574

■ 77.5912, 64.9777,
127.8734

■ 6.9097, 4.2471,
16.9373

■ 101.1035, 86.3745,
161.8494

■ 3.4515, 1.8128,
10.0283

■ 128.9421,
112.0178, 201.3664

■ 1.3968, 0.4951,
5.3119

161.4723,
142.2920, 246.8427

■ 0.2539, 0.0000,
2.3695

199.0596,

■ 0.0000, 0.0000,

177.5814, 298.6970

0.7698

242.0692,
218.2706, 357.3479

■ 0.0000, 0.0000,
0.0000

■ 29.3585, 22.4223,
55.0051

■ 29.3585, 22.4223,
55.0051

■ 25.7324, 17.7194,
54.2888

■ 33.5910, 28.1353,
55.8851

■ 22.6762, 13.9602,
53.7243

■ 38.4584, 34.9135,
56.9369

■ 20.1530, 11.0746,
53.3003

■ 43.9905, 42.8112,
58.1697

■ 18.1193, 8.9809,
53.0034

■ 50.2141, 51.8783,
59.5918

■ 16.5239, 7.5810,
52.8173

■ 57.1546, 62.1613,
61.2109

■ 15.6456, 6.9146,
52.7349

■ 64.8359, 73.7045,
63.0341

■ 73.2808, 86.5497,
65.0684

■ 78.2897, 92.2938,
65.9131

■ 81.3251, 93.8586,
66.0551

Harmonies

Analogous

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



23.6558, 22.4223, 68.4598



29.3585, 22.4223, 55.0051



33.2463, 22.4223, 35.0813

Triad

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



29.3585, 22.4223, 55.0051



24.7681, 22.4223, 5.2881



12.4493, 22.4223, 31.4857

Complementary

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



29.3585, 22.4223, 55.0051



35.3723, 47.2074, 22.2874

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.



12.6416, 22.4223, 16.1634



29.3585, 22.4223, 55.0051



19.1278, 22.4223, 5.0103

Square

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



29.3585, 22.4223, 55.0051



30.2942, 22.4223, 9.0478



14.8886, 22.4223, 7.9870



14.3075, 22.4223, 51.4054

Rectangle

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



29.3585, 22.4223, 55.0051



33.9334, 22.4223, 23.2662



14.8886, 22.4223, 7.9870



12.2867, 22.4223, 25.5991

Sweetspot

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



29.3593, 22.4232, 55.0056



79.8633, 77.8033, 105.4160



27.7619, 29.8494, 56.5232



16.5892, 15.9262, 22.4497



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.



29.3593, 22.4232, 55.0056



46.9493, 32.5225, 98.4107



38.2532, 27.0267, 54.5840



10.0259, 10.0045, 12.6875



10.1531, 4.4945, 33.8890



0.5177, 0.2350, 1.4679

Inverse Universe

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



34.0359, 25.3398, 32.3761



56.9846, 38.7718, 50.2685



29.2440, 44.0390, 22.4111



10.2661, 10.1550, 11.4916



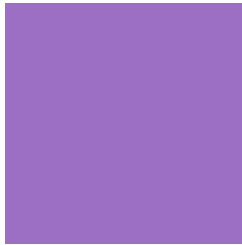
15.9181, 8.0570, 7.4809



0.7226, 0.3620, 0.5065

Previews

White Background



This preview shows how the XYZ color 29.3585, 22.4223, 55.0051 looks on a white background.

Color Contrast Check

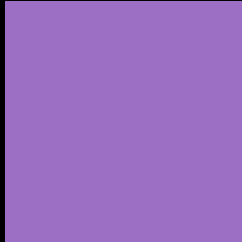
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3585, 22.4223, 55.0051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

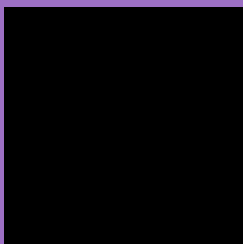
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.3585, 22.4223, 55.0051

Background



This preview shows how black text looks on a background with the XYZ color 29.3585, 22.4223, 55.0051.



This preview shows how white text looks on a background with the XYZ color 29.3585, 22.4223,

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

29.3585, 22.4223, 55.0051

Protanopia

24.5140, 22.7382, 64.7249

Deuteranopia

23.2060, 22.7141, 53.0303



Tritanopia

23.4908, 22.4995, 25.6590

Trichromacy



Original Color

29.3585, 22.4223, 55.0051

Protanomaly

25.7079, 22.2972, 61.3414

Deuteranomaly

24.8770, 22.2271, 53.4312

Tritanomaly

25.3800, 22.3513, 34.8749

Monochromacy



Original Color

29.3585, 22.4223, 55.0051

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.7020, 23.1068, 35.0564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3585, 22.4223, 55.0051 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(156, 111, 196)` looks like.

```
.text, #text, p{  
    color:rgb(156, 111, 196)  
}
```

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(156, 111, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 111, 196) }
```

Border

The CSS property to change the border of an element to XYZ 29.3585, 22.4223, 55.0051 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(156, 111, 196) }
```


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

```
.border{ border-color:rgb(156, 111, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 111, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 111, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 111, 196);  
box-shadow:4px 4px 4px 4px rgb(156, 111,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3585, 22.4223, 55.0051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 111, 196) }
```

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

```
.background{ background-color: rgb(156,  
111, 196) }
```

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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