

Converting Colors

XYZ(43.3134, 28.6434, 85.7987)

Have a look what the booklet for
XYZ(43.3134, 28.6434, 85.7987)
contains.

XYZ(43.1891, 28.5660, 85.6755)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(43.1891, 28.5660,
85.6755)**

Conversions

Conversions Part 1

Format	Color
Hex	C16DF0
RGB	193, 109, 240
RGB Percent	76%, 43%, 94%
CMY	0.2431, 0.5725, 0.0588
CMYK	0.20, 0.55, 0.00, 0.06
HSL	278°, 81%, 68%
HSV	278°, 55%, 94%
XYZ	43.1891, 28.5660, 85.6755
YIQ	149.0500, 8.0130, 58.5490

Conversions

Conversions Part 2

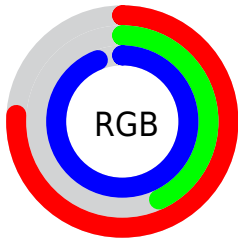
Format	Color
R _Y B	193, 109, 240
Decimal	12676592
CIE Lab	60.40, 55.10, -52.92
CIE LCh	60, 76.401, 316.156
Yxy	28.5660, 0.2743, 0.1815
Android (android.graphics.Color)	4290866672 (0xFFC16DF0)
YUV	149.0500, 44.8383, 38.5441
Hunter-Lab	53.4472, 50.7081, -57.6285

Details

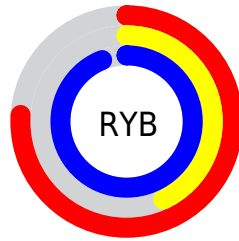
The XYZ color **43.1891, 28.5660, 85.6755** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **47.6314, 70.4928, 25.5651**, and the grayscale version is **28.4042, 29.8834, 32.5430**.

A 20% lighter version of the original color is **71.2921, 54.1098, 101.2945**, and **20.1148, 11.4815, 45.9557** is the 20% darker color. If you saturate the color by 10%, you get **38.8382, 23.0277, 84.8363**, and if you desaturate by 10%, it is **48.3688, 35.5700, 86.7549**.

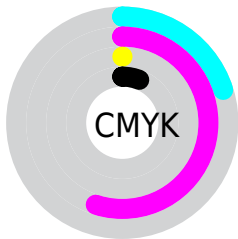
Distribution



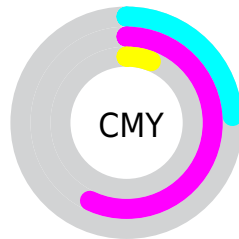
- Red (76%)
- Green (43%)
- Blue (94%)



- Red (76%)
- Yellow (43%)
- Blue (94%)



- Cyan (20%)
- Magenta (55%)
- Yellow (0%)
- Black (6%)





- Cyan (24%)
- Magenta (57%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.1891, 28.5660, 85.6755 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 43.1891, 28.5660, 85.6755 by changing the saturation by 10% instead.


 43.1891, 28.5660,
85.6755


 43.1891, 28.5660,
85.6755

350.2972,
295.1617, 534.0634


 30.2287, 18.7528,
63.8463


 79.2501, 57.3868,
143.1991


 20.1612, 11.4918,
46.0808


 103.0813, 77.1632,
179.7306

 12.6212, 6.3986,
31.9605


 131.2669,
101.0294, 221.9999

 7.2434, 3.0890,
21.0667

 164.1722,
129.3698, 270.4257

 3.6625, 1.1783,
12.9811

202.1625,
162.5689, 325.4264

 1.5130, 0.0439,
7.2849

245.6032,

 0.3347, 0.0000,

201.0109, 387.4205

3.5598

294.8597,
245.0804, 456.8267

■ 0.0000, 0.0000,
1.3871

■ 0.0000, 0.0000,
0.1316

■ 43.1891, 28.5660,
85.6755

■ 43.1891, 28.5660,
85.6755

■ 38.8382, 23.0277,
84.8363

■ 48.3688, 35.5700,
86.7549

■ 35.2523, 18.8338,
84.2158

■ 54.4279, 44.1410,
88.0899

■ 32.3624, 15.8488,
83.7919

■ 61.4165, 54.3750,
89.6969

■ 30.0832, 13.9053,
83.5369

■ 69.3795, 66.3591,
91.5904

■ 29.0347, 13.1510,
83.4466

■ 78.3591, 80.1745,
93.7838

■ 88.3945, 95.8968,
96.2896

■ 92.0970, 98.7459,
96.6443

■ 92.7283, 99.0713,
96.6739

Harmonies

Analogous

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



32.7564, 28.5660, 117.4307



43.1891, 28.5660, 85.6755



49.9445, 28.5660, 45.9347

Triad

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



43.1891, 28.5660, 85.6755



31.9288, 28.5660, 2.5924



12.7439, 28.5660, 48.7249

Complementary

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



43.1891, 28.5660, 85.6755



47.6314, 70.4928, 25.5651

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.



12.6250, 28.5660, 19.8672



43.1891, 28.5660, 85.6755



22.2248, 28.5660, 2.7018

Square

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



43.1891, 28.5660, 85.6755



42.4585, 28.5660, 6.1210



15.6747, 28.5660, 6.6585



16.0515, 28.5660, 88.7458

Rectangle

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



43.1891, 28.5660, 85.6755



50.6080, 28.5660, 25.6531



15.6747, 28.5660, 6.6585



12.3628, 28.5660, 37.2760

Sweetspot

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



43.1902, 28.5671, 85.6761



78.2054, 74.0031, 104.7699



34.0984, 33.6688, 87.1401



16.3226, 15.2091, 22.3253



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.



43.1902, 28.5671, 85.6761



44.2870, 26.0797, 97.3074



54.6610, 34.7661, 73.3129



15.8722, 15.7313, 19.9215



16.0443, 7.2766, 45.6868



1.4429, 0.6611, 3.8058

Inverse Universe

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



47.4053, 31.8638, 35.1051



50.2354, 30.6073, 31.5754



41.2637, 67.0905, 30.6730



16.0071, 15.8526, 17.5936



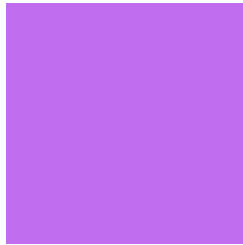
20.6510, 10.5328, 6.0789



1.7639, 0.8946, 0.7475

Previews

White Background



This preview shows how the XYZ color 43.1891, 28.5660, 85.6755 looks on a white background.

Color Contrast Check

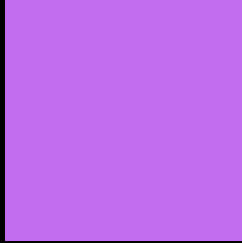
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.1891, 28.5660, 85.6755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

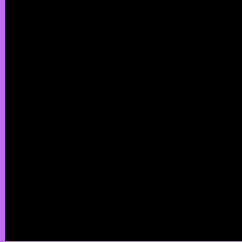
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 43.1891, 28.5660, 85.6755

Background



This preview shows how black text looks on a background with the XYZ color 43.1891, 28.5660, 85.6755.

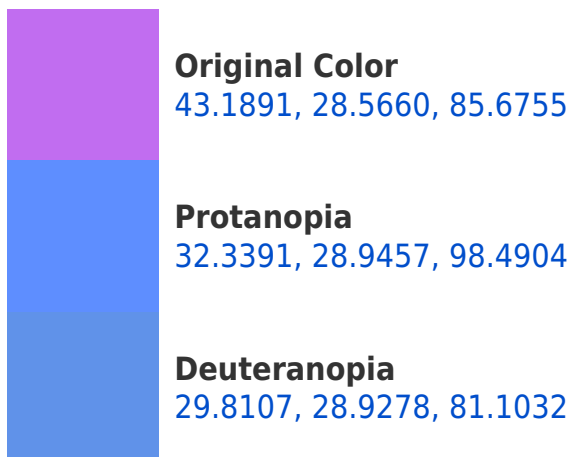


This preview shows how white text looks on a background with the XYZ color 43.1891, 28.5660,

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

31.9192, 28.5288, 30.2098

Trichromacy



Original Color

43.1891, 28.5660, 85.6755



Protanomaly

34.4439, 27.6132, 93.9570



Deuteranomaly

32.8879, 27.6565, 82.9617



Tritanomaly

34.9987, 27.9892, 46.2056

Monochromacy



Original Color

43.1891, 28.5660, 85.6755



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

32.4856, 28.4269, 48.0307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.1891, 28.5660, 85.6755 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(193, 109, 240)` looks like.

```
.text, #text, p{  
    color:rgb(193, 109, 240)  
}
```

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(193, 109, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 109, 240) }
```

Border

The CSS property to change the border of an element to XYZ 43.1891, 28.5660, 85.6755 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(193, 109, 240) }
```


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

```
.border{ border-color:rgb(193, 109, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 109, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 109, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 109, 240);  
box-shadow:4px 4px 4px 4px rgb(193, 109,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 43.1891, 28.5660, 85.6755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 109, 240) }
```

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

```
.background{ background-color: rgb(193,  
109, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor