

Converting Colors

XYZ(35.9647, 20.0856, 83.6427)

Have a look what the booklet for
XYZ(35.9647, 20.0856, 83.6427)
contains.

XYZ(35.9647, 20.0856, 83.6427)	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(35.9647, 20.0856,
83.6427)**

Conversions

Conversions Part 1

Format	Color
Hex	B147EF
RGB	177, 71, 239
RGB Percent	69%, 28%, 94%
CMY	0.3059, 0.7216, 0.0627
CMYK	0.26, 0.70, 0.00, 0.06
HSL	278°, 84%, 61%
HSV	278°, 70%, 94%
XYZ	35.9647, 20.0856, 83.6427
YIQ	121.8460, 9.2480, 74.7200

Conversions

Conversions Part 2

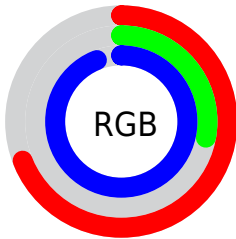
Format	Color
RYB	177, 71, 239
Decimal	11618287
CIELab	51.93, 68.83, -66.04
CIElCh	52, 95.387, 316.183
Yxy	20.0856, 0.2575, 0.1438
Android (android.graphics.Color)	4289808367 (0xFFB147EF)
YUV	121.8460, 57.7569, 48.3701
Hunter-Lab	44.8170, 64.8129, -79.2821

Details

The XYZ color **35.9647, 20.0856, 83.6427** 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 **41.6770, 67.1748, 16.7312**, and the grayscale version is **18.2652, 19.2164, 20.9267**.

A 20% lighter version of the original color is **60.5644, 40.4033, 99.2143**, and **16.0512, 7.2993, 44.8189** is the 20% darker color. If you saturate the color by 10%, you get **32.7881, 16.6182, 83.1412**, and if you desaturate by 10%, it is **39.8703, 24.8159, 84.3503**.

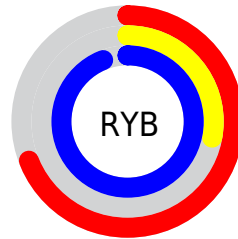
Distribution



Red (69%)

Green (28%)

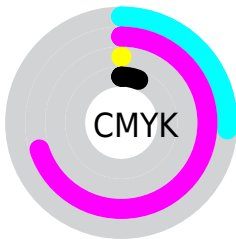
Blue (94%)



Red (69%)

Yellow (28%)

Blue (94%)

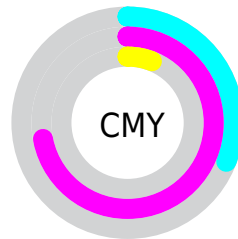


Cyan (26%)

Magenta (70%)

Yellow (0%)

Black (6%)



Cyan (31%)


Magenta (72%)


Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9647, 20.0856, 83.6427 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 35.9647, 20.0856, 83.6427 by changing the saturation by 10% instead.

 35.9647, 20.0856,
83.6427


 35.9647, 20.0856,
83.6427


320.2402,
252.3781, 527.1530

 24.5769, 12.4573,
62.1768


 68.3018, 43.5607,
140.3325


 15.8892, 7.0559,
44.7389


 89.9818, 60.1762,
176.3935


 9.5361, 3.4971,
30.9103


 115.8233, 80.5562,
218.1567

 5.1524, 1.3964,
20.2727

 146.1916,
105.0852, 266.0404

 2.3726, 0.2141,
12.4074

 181.4521,
134.1475, 320.4634

 0.8314, 0.0000,
6.8959

221.9701,

 0.0000, 0.0000,

168.1275, 381.8442

3.3196

268.1110,
207.4096, 450.6012

■ 0.0000, 0.0000,
1.2600

■ 0.0000, 0.0000,
0.0287

■ 35.9647, 20.0856,
83.6427

■ 35.9647, 20.0856,
83.6427

■ 32.7881, 16.6182,
83.1412

■ 39.8703, 24.8159,
84.3503


■ 30.2607, 14.2610,
82.8195


■ 44.5670, 30.9335,
85.2835


■ 28.3055, 12.7922,
82.6390


■ 50.1129, 38.5496,
86.4613


■ 56.5593, 47.7635,
87.9000

 63.9529, 58.6657,
89.6146

 72.3373, 71.3399,
91.6191

 81.7530, 85.8640,
93.9263

 89.8968, 97.6287,
95.7679

 92.5801, 99.0120,
95.8935

Harmonies

Analogous

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



24.7768, 20.0856, 123.7811



35.9647, 20.0856, 83.6427



43.5428, 20.0856, 37.2732

Triad

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



35.9647, 20.0856, 83.6427



23.9020, 20.0856, 0.0000



6.1942, 20.0856, 40.3971

Complementary

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



35.9647, 20.0856, 83.6427



41.6770, 67.1748, 16.7312

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.



6.1005, 20.0856, 11.4301



35.9647, 20.0856, 83.6427



14.3488, 20.0856, 0.0000

Square

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



35.9647, 20.0856, 83.6427



35.1402, 20.0856, 1.5336



8.5452, 20.0856, 1.8145



8.8679, 20.0856, 87.5161

Rectangle

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



35.9647, 20.0856, 83.6427



44.2944, 20.0856, 16.6051



8.5452, 20.0856, 1.8145



5.9011, 20.0856, 28.1441

Sweetspot

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



35.9656, 20.0863, 83.6432



73.3813, 66.9061, 103.6543



26.8990, 25.0121, 85.0718



15.1797, 13.5378, 22.0630



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.



35.9656, 20.0863, 83.6432



36.7297, 18.0166, 96.1494



50.6892, 27.9933, 70.0264



15.8559, 15.7230, 19.9207



15.7917, 7.1463, 45.6749



1.4229, 0.6508, 3.8048

Inverse Universe

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



42.0839, 24.5511, 24.7113



45.4070, 24.1845, 19.9958



35.3366, 63.8215, 20.2643



16.0140, 15.8553, 17.6298



20.7074, 10.5554, 6.3758



1.7691, 0.8967, 0.7750

Previews

White Background



This preview shows how the XYZ color 35.9647, 20.0856, 83.6427 looks on a white background.

Color Contrast Check

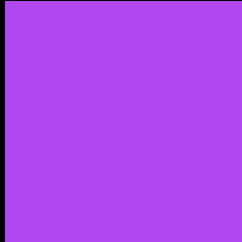
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.9647, 20.0856, 83.6427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

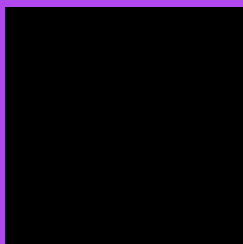
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.9647, 20.0856, 83.6427

Background



This preview shows how black text looks on a background with the XYZ color 35.9647, 20.0856, 83.6427.



This preview shows how white text looks on a background with the XYZ color 35.9647, 20.0856,

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

35.9647, 20.0856, 83.6427

Protanopia

24.4461, 20.5248, 95.6017

Deuteranopia

20.7801, 20.2494, 72.6253



Tritanopia

22.9792, 19.8930, 20.3979

Trichromacy



Original Color

35.9647, 20.0856, 83.6427



Protanomaly

23.8090, 17.3700, 90.9048



Deuteranomaly

21.4112, 17.0552, 76.2922



Tritanomaly

26.1036, 18.9026, 36.9231

Monochromacy



Original Color

35.9647, 20.0856, 83.6427



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

22.7971, 18.1679, 37.9025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9647, 20.0856, 83.6427 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(177, 71, 239)` looks like.

```
.text, #text, p{  
    color:rgb(177, 71, 239)  
}
```

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(177, 71, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 71, 239) }
```

Border

The CSS property to change the border of an element to XYZ 35.9647, 20.0856, 83.6427 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(177, 71, 239) }
```


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

```
.border{ border-color:rgb(177, 71, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 71, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 71, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 71, 239);  
box-shadow:4px 4px 4px 4px rgb(177, 71,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9647, 20.0856, 83.6427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 71, 239) }
```

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

```
.background{ background-color: rgb(177, 71,  
239) }
```

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