

Converting Colors

XYZ(28.3468, 15.0672, 86.2085)

Have a look what the booklet for
XYZ(28.3468, 15.0672, 86.2085)
contains.

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Color

**XYZ(28.3891, 15.0880,
86.2100)**

Conversions

Conversions Part 1

Format	Color
Hex	8B3BF3
RGB	139, 59, 243
RGB Percent	55%, 23%, 95%
CMY	0.4549, 0.7686, 0.0471
CMYK	0.43, 0.76, 0.00, 0.05
HSL	266°, 88%, 59%
HSV	266°, 76%, 95%
XYZ	28.3891, 15.0880, 86.2100
YIQ	103.8960, -11.3840, 74.1840

Conversions

Conversions Part 2

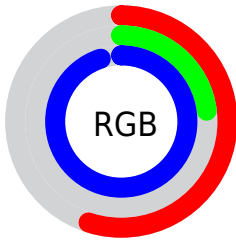
Format	Color
R_{YB}	139, 59, 243
Decimal	9124851
CIE _{Lab}	45.75, 68.04, -78.55
CIE _{LCh}	46, 103.924, 310.900
Yxy	15.0880, 0.2189, 0.1163
Android (android.graphics.Color)	4287314931 (0xFF8B3BF3)
YUV	103.8960, 68.5783, 30.7862
Hunter-Lab	38.8433, 62.4833, -104.3998

Details

The XYZ color **28.3891, 15.0880, 86.2100** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **47.9437, 72.2034, 15.5475**, and the grayscale version is **12.9560, 13.6307, 14.8438**.

A 20% lighter version of the original color is **47.8867, 31.5340, 98.1705**, and **11.7374, 5.0393, 46.2530** is the 20% darker color. If you saturate the color by 10%, you get **25.2670, 12.0360, 85.7858**, and if you desaturate by 10%, it is **32.3817, 19.4506, 86.8420**.

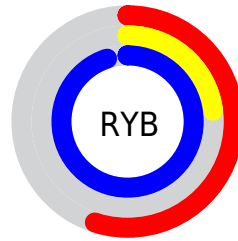
Distribution



Red (55%)

Green (23%)

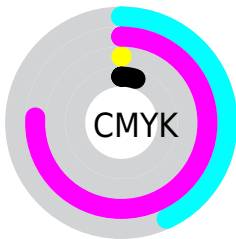
Blue (95%)



Red (55%)

Yellow (23%)

Blue (95%)

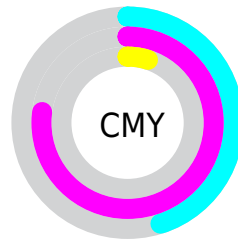


Cyan (43%)

Magenta (76%)

Yellow (0%)

Black (5%)



Cyan (45%)

Magenta (77%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3891, 15.0880, 86.2100 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 28.3891, 15.0880, 86.2100 by changing the saturation by 10% instead.

■ 28.3891, 15.0880,
86.2100

■ 28.3891, 15.0880,
86.2100

286.3680,
223.8982, 535.8721

■ 18.7611, 8.8812,
64.2857

■ 56.5094, 35.0075,
143.9516

■ 11.6008, 4.6638,
46.4345

■ 75.7324, 49.4889,
180.6061

■ 6.5427, 2.0514,
32.2377

■ 98.8844, 67.4974,
223.0077

■ 3.2216, 0.6371,
21.2768

■ 126.3309, 89.4172,
271.5750

■ 1.2720, 0.0000,
13.1333

■ 158.4372,
115.6328, 326.7266

■ 0.1621, 0.0000,
7.3886

195.5685,

■ 0.0000, 0.0000,

146.5286, 388.8809

3.6242

238.0903,
182.4889, 458.4566

■ 0.0000, 0.0000,
1.4215

■ 0.0000, 0.0000,
0.1584

■ 28.3891, 15.0880,
86.2100

■ 28.3891, 15.0880,
86.2100

■ 25.2670, 12.0360,
85.7858

■ 32.3817, 19.4506,
86.8420

■ 22.9138, 10.1113,
85.5383

■ 37.3235, 25.2704,
87.7049

■ 22.0810, 9.5143,
85.4670

■ 43.2862, 32.6749,
88.8198

■ 50.3331, 41.7771,
90.2053

■ 58.5217, 52.6791,
91.8780

■ 67.9053, 65.4751,
93.8533

■ 78.5336, 80.2523,
96.1454

■ 90.4534, 97.0925,
98.7677

■ 93.1777, 99.2511,
99.0407

Harmonies

Analogous

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



17.7572, 15.0880, 123.4036



28.3891, 15.0880, 86.2100



36.7887, 15.0880, 37.7314

Triad

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



28.3891, 15.0880, 86.2100



20.5689, 15.0880, 0.0000



3.3622, 15.0880, 27.3070

Complementary

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



28.3891, 15.0880, 86.2100



47.9437, 72.2034, 15.5475

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.



3.6041, 15.0880, 5.1797



28.3891, 15.0880, 86.2100



11.3932, 15.0880, 0.0000

Square

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



28.3891, 15.0880, 86.2100



31.1517, 15.0880, 0.7581



5.9148, 15.0880, 0.0235



5.0228, 15.0880, 72.3405

Rectangle

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



28.3891, 15.0880, 86.2100



38.5448, 15.0880, 15.6841



5.9148, 15.0880, 0.0235



3.2491, 15.0880, 17.1956

Sweetspot

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



28.3899, 15.0884, 86.2104



67.9476, 62.3641, 103.0640



31.1261, 33.6903, 89.6567



13.7755, 12.3109, 21.9001



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.



28.3899, 15.0884, 86.2104



26.6454, 12.1045, 95.5398



50.6108, 26.5437, 87.2503



16.2647, 16.2791, 20.8275



12.2670, 5.2982, 46.9141



1.1937, 0.5252, 4.1287

Inverse Universe

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



45.1368, 24.8270, 37.0618



47.3868, 24.2074, 32.7920



35.4583, 65.7669, 14.9632



16.8915, 16.6394, 19.1751



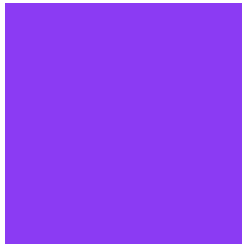
22.8468, 11.4822, 14.4337



2.0596, 1.0298, 1.5400

Previews

White Background



This preview shows how the XYZ color 28.3891, 15.0880, 86.2100 looks on a white background.

Color Contrast Check

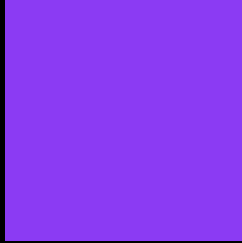
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.3891, 15.0880, 86.2100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

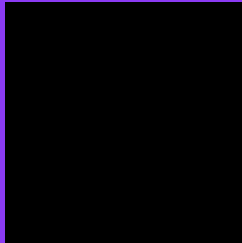
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 28.3891, 15.0880, 86.2100

Background



This preview shows how black text looks on a background with the XYZ color 28.3891, 15.0880, 86.2100.



This preview shows how white text looks on a background with the XYZ color 28.3891, 15.0880,

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

28.3891, 15.0880, 86.2100

Protanopia

17.8686, 15.0679, 69.6768

Deuteranopia

14.9787, 15.0866, 50.8377



Tritanopia

14.6589, 15.0044, 18.3432

Trichromacy



Original Color

28.3891, 15.0880, 86.2100



Protanomaly

18.8586, 13.2847, 74.9690



Deuteranomaly

16.7010, 12.9615, 61.9432



Tritanomaly

17.9235, 13.9140, 35.9234

Monochromacy



Original Color

28.3891, 15.0880, 86.2100



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

16.7422, 13.1279, 32.6619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3891, 15.0880, 86.2100 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(139, 59, 243)` looks like.

```
.text, #text, p{  
    color:rgb(139, 59, 243)  
}
```

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(139, 59, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 59, 243) }
```

Border

The CSS property to change the border of an element to XYZ 28.3891, 15.0880, 86.2100 is called "border". The border property can be set on classes, ids or directly on the HTML element.

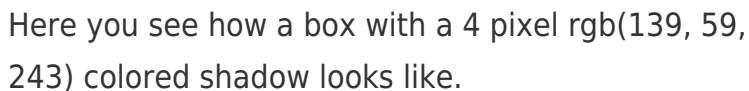
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(139, 59, 243) }
```


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

```
.border{ border-color:rgb(139, 59, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(139, 59, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 59, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 59, 243);  
box-shadow:4px 4px 4px 4px rgb(139, 59,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3891, 15.0880, 86.2100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 59, 243) }
```

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

```
.background{ background-color: rgb(139, 59,  
243) }
```

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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