

Converting Colors

XYZ(27.3225, 12.0002, 95.4839)

Have a look what the booklet for
XYZ(27.3225, 12.0002, 95.4839)
contains.

XYZ(27.2559, 11.9658, 95.4808)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

**XYZ(27.2559, 11.9658,
95.4808)**

Conversions

Conversions Part 1

Format	Color
Hex	8200FF
RGB	130, 0, 255
RGB Percent	51%, 0%, 100%
CMY	0.4902, 1.0000, 0.0000
CMYK	0.49, 1.00, 0.00, 0.00
HSL	271°, 100%, 50%
HSV	271°, 100%, 100%
XYZ	27.2559, 11.9658, 95.4808
YIQ	67.9400, -4.3750, 106.8650

Conversions

Conversions Part 2

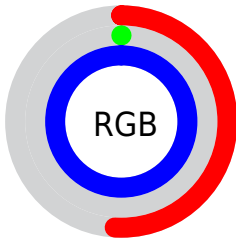
Format	Color
R_{YB}	130, 0, 255
Decimal	8519935
CIE _{Lab}	41.16, 83.33, -92.88
CIE _{LCh}	41, 124.782, 311.899
Yxy	11.9658, 0.2023, 0.0888
Android (android.graphics.Color)	4286710015 (0xFF8200FF)
YUV	67.9400, 92.2206, 54.4266
Hunter-Lab	34.5916, 80.1108, -139.4399

Details

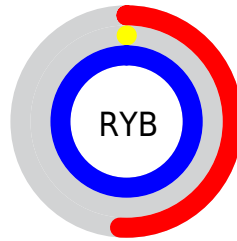
The XYZ color **27.2559, 11.9658, 95.4808** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **44.2166, 75.8795, 12.3158**, and the grayscale version is **5.3432, 5.6214, 6.1218**.

A 20% lighter version of the original color is **43.3914, 24.8758, 97.1223**, and **11.8230, 4.9308, 53.1519** is the 20% darker color. If you saturate the color by 10%, you get **27.2568, 11.9663, 95.4809**, and if you desaturate by 10%, it is **29.6506, 13.7324, 95.6956**.

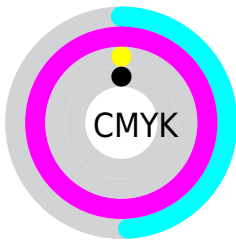
Distribution



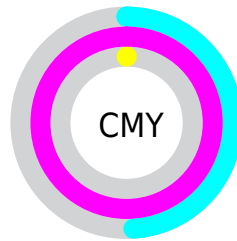
- Red (51%)
- Green (0%)
- Blue (100%)



- Red (51%)
- Yellow (0%)
- Blue (100%)



- Cyan (49%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)




- Cyan (49%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.2559, 11.9658, 95.4808 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 27.2559, 11.9658, 95.4808 by changing the saturation by 10% instead.

 27.2559, 11.9658,
95.4808

 27.2559, 11.9658,
95.4808


281.0390,
204.1787, 566.7267


 17.9031, 6.7204,
71.9361


 54.7112, 29.4328,
156.9300


 10.9797, 3.2879,
52.6200


 73.5444, 42.4232,
195.6715

 6.1204, 1.2838,
37.1138


 96.2685, 58.7640,
240.3158

 2.9598, 0.1286,
24.9992

 123.2488, 78.8397,
291.2813

 1.1325, 0.0000,
15.8574

 154.8506,
103.0346, 348.9866

 0.0521, 0.0000,
9.2701

 191.4394,

 0.0000, 0.0000,

131.7332, 413.8503

4.8185

233.3804,
165.3197, 486.2908

■ 0.0000, 0.0000,
2.0843

■ 0.0000, 0.0000,
0.6064

■ 27.2559, 11.9658,
95.4808

■ 27.2559, 11.9658,
95.4808

■ 27.2568, 11.9663,
95.4809

■ 29.6506, 13.7324,
95.6956

■ 32.7523, 16.5567,
96.0773

■ 36.7121, 20.7285,
96.6738

■ 41.6246, 26.4265,
97.5147

■ 47.5699, 33.8004,
98.6247

■ 54.6187, 42.9819,
100.0254

■ 62.8347, 54.0888,
101.7362

■ 72.2764, 67.2289,
103.7748

■ 82.9979, 82.5017,
106.1577

Harmonies

Analogous

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



15.3211, 11.9658, 146.2221



27.2559, 11.9658, 95.4808



36.9729, 11.9658, 35.2451

Triad

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



27.2559, 11.9658, 95.4808



17.6308, 11.9658, 0.0000



1.4598, 11.9658, 26.1284

Complementary

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



27.2559, 11.9658, 95.4808



44.2166, 75.8795, 12.3158

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.



1.5864, 11.9658, 2.9086



27.2559, 11.9658, 95.4808



8.1693, 11.9658, 0.0000

Square

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



27.2559, 11.9658, 95.4808



29.6923, 11.9658, 0.0000



3.2963, 11.9658, 0.0000



2.7506, 11.9658, 81.8984

Rectangle

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



27.2559, 11.9658, 95.4808



38.8599, 11.9658, 11.4564



3.2963, 11.9658, 0.0000



1.3697, 11.9658, 14.7387

Sweetspot

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



27.2568, 11.9663, 95.4809



62.8347, 54.0888, 101.7362



25.7041, 22.5282, 97.6014



12.6765, 10.5231, 21.6130



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.



27.2568, 11.9663, 95.4809



59.2900, 28.4800, 96.9800



17.8860, 17.8330, 22.7494



14.4152, 6.3418, 49.8989



1.5297, 0.6825, 4.8644

Inverse Universe

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



44.9413, 22.7405, 21.4208



35.7600, 71.5200, 11.9200



18.3805, 18.1355, 20.6208



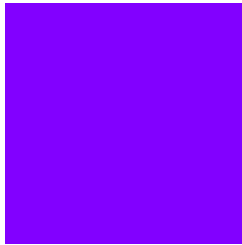
23.5578, 11.9124, 11.5876



2.3487, 1.1819, 1.4179

Previews

White Background



This preview shows how the XYZ color 27.2559, 11.9658, 95.4808 looks on a white background.

Color Contrast Check

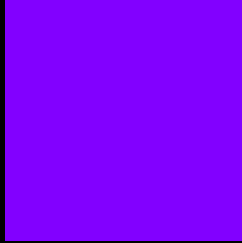
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2559, 11.9658, 95.4808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

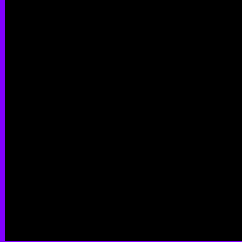
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.2559, 11.9658, 95.4808

Background



This preview shows how black text looks on a background with the XYZ color 27.2559, 11.9658, 95.4808.



This preview shows how white text looks on a background with the XYZ color 27.2559, 11.9658,

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

27.2559, 11.9658, 95.4808

Protanopia

14.4010, 12.3079, 55.6495

Deuteranopia

12.0044, 12.2476, 40.2594



Tritanopia

11.3321, 12.1589, 15.6595

Trichromacy



Original Color

27.2559, 11.9658, 95.4808



Protanomaly

15.5743, 8.9505, 67.9246



Deuteranomaly

13.6664, 8.5354, 56.8043



Tritanomaly

14.0362, 9.1315, 34.7410

Monochromacy



Original Color

27.2559, 11.9658, 95.4808



Achromatopsia

5.4944, 5.7805, 6.2950



Achromatomaly

9.6222, 5.7295, 23.8913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2559, 11.9658, 95.4808 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(130, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 0, 255)  
}
```

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(130, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.2559, 11.9658, 95.4808 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(130, 0, 255) }
```

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

```
.border{ border-color:rgb(130, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(130, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2559, 11.9658, 95.4808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 0, 255) }
```

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

```
.background{ background-color: rgb(130, 0,  
255) }
```

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