

Converting Colors

XYZ(30.2361, 13.5022, 95.6203)

Have a look what the booklet for
XYZ(30.2361, 13.5022, 95.6203)
contains.

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Color

**XYZ(30.2627, 13.5159,
95.6215)**

Conversions

Conversions Part 1

Format	Color
Hex	9400FF
RGB	148, 0, 255
RGB Percent	58%, 0%, 100%
CMY	0.4196, 1.0000, 0.0000
CMYK	0.42, 1.00, 0.00, 0.00
HSL	275°, 100%, 50%
HSV	275°, 100%, 100%
XYZ	30.2627, 13.5159, 95.6215
YIQ	73.3220, 6.3530, 110.6810

Conversions

Conversions Part 2

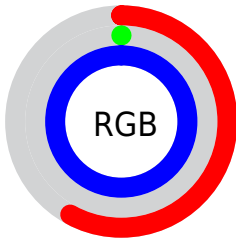
Format	Color
R_{YB}	148, 0, 255
Decimal	9699583
CIE _{Lab}	43.53, 84.83, -88.89
CIE _{LCh}	44, 122.868, 313.661
Yxy	13.5159, 0.2171, 0.0970
Android (android.graphics.Color)	4287889663 (0xFF9400FF)
YUV	73.3220, 89.5673, 65.4926
Hunter-Lab	36.7640, 82.5974, -128.4759

Details

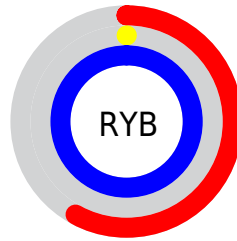
The XYZ color **30.2627, 13.5159, 95.6215** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **41.8229, 74.6455, 12.2037**, and the grayscale version is **6.2374, 6.5622, 7.1463**.

A 20% lighter version of the original color is **48.2418, 27.7245, 97.4165**, and **13.6453, 5.8702, 53.2372** is the 20% darker color. If you saturate the color by 10%, you get **30.2635, 13.5163, 95.6216**, and if you desaturate by 10%, it is **32.6479, 15.2775, 95.8359**.

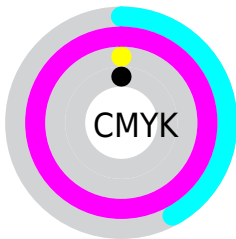
Distribution



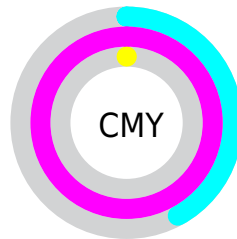
- Red (58%)
- Green (0%)
- Blue (100%)



- Red (58%)
- Yellow (0%)
- Blue (100%)



- Cyan (42%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)




- Cyan (42%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2627, 13.5159, 95.6215 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 30.2627, 13.5159, 95.6215 by changing the saturation by 10% instead.

 30.2627, 13.5159,
95.6215


 30.2627, 13.5159,
95.6215


295.0149,
214.1981, 567.1878


 20.1871, 7.7847,
72.0526


 59.4612, 32.2276,
157.1259


 12.6402, 3.9575,
52.7146


 79.3148, 45.9769,
195.8985


 7.2565, 1.6498,
37.1888


 103.1584, 63.1677,
240.5761

 3.6708, 0.3908,
25.0568

 131.3575, 84.1844,
291.5772

 1.5176, 0.0000,
15.8999

 164.2773,
109.4114, 349.3204

 0.3378, 0.0000,
9.2998

 202.2833,

 0.0000, 0.0000,

139.2330, 414.2242

4.8378

245.7407,
174.0338, 486.7072

■ 0.0000, 0.0000,
2.0953

■ 0.0000, 0.0000,
0.6130

■ 30.2627, 13.5159,
95.6215

■ 30.2627, 13.5159,
95.6215

■ 30.2635, 13.5163,
95.6216

■ 32.6479, 15.2775,
95.8359

■ 35.6827, 18.0674,
96.2144

■ 39.5154, 22.1737,
96.8050

■ 44.2376, 27.7735,
97.6370

■ 49.9268, 35.0155,
98.7350

■ 56.6508, 44.0295,
100.1205

■ 64.4711, 54.9324,
101.8128

■ 73.4437, 67.8307,
103.8295

■ 83.6204, 82.8226,
106.1868

Harmonies

Analogous

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



17.7162, 13.5159, 148.9737



30.2627, 13.5159, 95.6215



39.9386, 13.5159, 35.1541

Triad

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



30.2627, 13.5159, 95.6215



18.7688, 13.5159, 0.0000



1.9640, 13.5159, 31.0598

Complementary

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



30.2627, 13.5159, 95.6215



41.8229, 74.6455, 12.2037

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.



2.0285, 13.5159, 4.2933



30.2627, 13.5159, 95.6215



8.9624, 13.5159, 0.0000

Square

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



30.2627, 13.5159, 95.6215



31.3555, 13.5159, 0.0000



3.8537, 13.5159, 0.0000



3.5868, 13.5159, 89.6666

Rectangle

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



30.2627, 13.5159, 95.6215



41.4650, 13.5159, 11.5934



3.8537, 13.5159, 0.0000



1.8287, 13.5159, 18.3554

Sweetspot

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



30.2635, 13.5163, 95.6216



64.4711, 54.9324, 101.8128



23.6800, 18.4801, 96.9267



13.0643, 10.7231, 21.6311



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.



30.2635, 13.5163, 95.6216



56.6726, 27.4330, 83.1970



18.0130, 17.8985, 22.7553



15.9875, 7.1523, 49.9725



1.6813, 0.7607, 4.8715

Inverse Universe

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



43.8936, 22.3214, 15.9037



35.8612, 71.5605, 12.4528



18.3255, 18.1135, 20.3315



23.0059, 11.6916, 8.6815



2.2931, 1.1596, 1.1247

Previews

White Background



This preview shows how the XYZ color 30.2627, 13.5159, 95.6215 looks on a white background.

Color Contrast Check

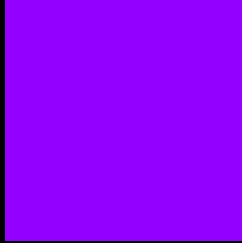
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2627, 13.5159, 95.6215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

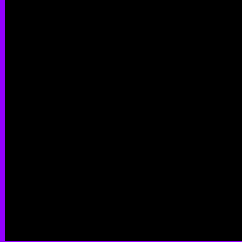
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.2627, 13.5159, 95.6215

Background



This preview shows how black text looks on a background with the XYZ color 30.2627, 13.5159, 95.6215.



This preview shows how white text looks on a background with the XYZ color 30.2627, 13.5159,

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

30.2627, 13.5159, 95.6215

Protanopia

16.4116, 14.0105, 63.4673

Deuteranopia

13.7012, 13.8928, 46.2154



Tritanopia

14.1859, 13.6301, 15.7931

Trichromacy



Original Color

30.2627, 13.5159, 95.6215



Protanomaly

17.2198, 9.9971, 73.6951



Deuteranomaly

15.0971, 9.5220, 61.3638



Tritanomaly

16.9629, 10.6402, 34.8779

Monochromacy



Original Color

30.2627, 13.5159, 95.6215



Achromatopsia

6.3328, 6.6626, 7.2556



Achromatomaly

10.8927, 6.5274, 25.1119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2627, 13.5159, 95.6215 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(148, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 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(148, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.2627, 13.5159, 95.6215 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(148, 0, 255) }
```

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

```
.border{ border-color:rgb(148, 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(148, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2627, 13.5159, 95.6215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 0, 255) }
```

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

```
.background{ background-color: rgb(148, 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](#).

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