

Converting Colors

XYZ(30.4903, 13.9066, 83.2818)

Have a look what the booklet for
XYZ(30.4903, 13.9066, 83.2818)
contains.

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Color

**XYZ(30.6285, 13.9727,
83.5208)**

Conversions

Conversions Part 1

Format	Color
Hex	A200F0
RGB	162, 0, 240
RGB Percent	64%, 0%, 94%
CMY	0.3647, 1.0000, 0.0588
CMYK	0.32, 1.00, 0.00, 0.06
HSL	281°, 100%, 47%
HSV	281°, 100%, 94%
XYZ	30.6285, 13.9727, 83.5208
YIQ	75.7980, 19.5120, 108.9840

Conversions

Conversions Part 2

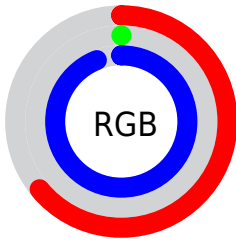
Format	Color
R_{YB}	162, 0, 240
Decimal	10617072
CIE _{Lab}	44.19, 83.34, -79.30
CIE _{LCh}	44, 115.036, 316.423
Yxy	13.9727, 0.2391, 0.1091
Android (android.graphics.Color)	4288807152 (0xFFA200F0)
YUV	75.7980, 80.9516, 75.5992
Hunter-Lab	37.3801, 80.8443, -106.3096

Details

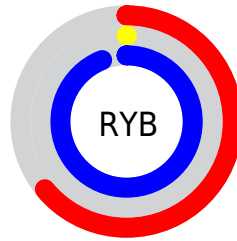
The XYZ color **30.6285, 13.9727, 83.5208** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **34.3023, 63.9402, 10.5339**, and the grayscale version is **6.6885, 7.0368, 7.6630**.

A 20% lighter version of the original color is **51.8896, 29.7244, 97.6102**, and **13.9141, 6.1856, 45.2603** is the 20% darker color. If you saturate the color by 10%, you get **30.6289, 13.9729, 83.5211**, and if you desaturate by 10%, it is **32.5901, 15.4689, 83.7065**.

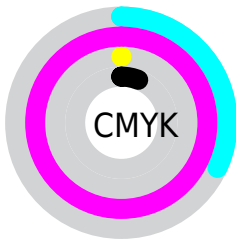
Distribution



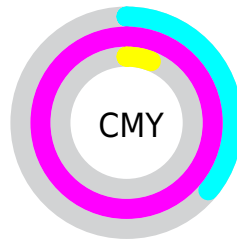
- Red (64%)
- Green (0%)
- Blue (94%)



- Red (64%)
- Yellow (0%)
- Blue (94%)



- Cyan (32%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)





- Cyan (36%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6285, 13.9727, 83.5208 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 30.6285, 13.9727, 83.5208 by changing the saturation by 10% instead.

 30.6285, 13.9727,
83.5208


 30.6285, 13.9727,
83.5208


296.6807,
217.0609, 526.7370

 20.4666, 8.1017,
62.0768


 60.0345, 33.0406,
140.1604

 12.8449, 4.1601,
44.6585

 80.0093, 47.0062,
176.1930


 7.3981, 1.7635,
30.8476

 103.9858, 64.4389,
217.9257

 3.7608, 0.4643,
20.2253

 132.3293, 85.7229,
265.7768

 1.5677, 0.0000,
12.3732

 165.4052,
111.2428, 320.1649

 0.3712, 0.0000,
6.8728

 203.5788,

 0.0000, 0.0000,

141.3828, 381.5086

3.3054

247.2155,
176.5274, 450.2265

■ 0.0000, 0.0000,
1.2526

■ 0.0000, 0.0000,
0.0225

■ 30.6285, 13.9727,
83.5208

■ 30.6285, 13.9727,
83.5208

■ 30.6289, 13.9729,
83.5211

■ 32.5901, 15.4689,
83.7065

■ 35.0546, 17.8237,
84.0311

■ 38.1509, 21.2912,
84.5372

■ 41.9557, 26.0221,
85.2499

■ 46.5335, 32.1434,
86.1901

■ 51.9410, 39.7659,
87.3764

■ 58.2291, 48.9894,
88.8253

■ 65.4444, 59.9045,
90.5519

■ 73.6299, 72.5954,
92.5700

Harmonies

Analogous

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



18.9271, 13.9727, 133.6205



30.6285, 13.9727, 83.5208



38.9156, 13.9727, 30.4488

Triad

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



30.6285, 13.9727, 83.5208



17.8741, 13.9727, 0.0000



2.5210, 13.9727, 34.4678

Complementary

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



30.6285, 13.9727, 83.5208



34.3023, 63.9402, 10.5339

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.



2.4468, 13.9727, 6.1598



30.6285, 13.9727, 83.5208



8.8862, 13.9727, 0.0000

Square

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



30.6285, 13.9727, 83.5208



29.5584, 13.9727, 0.0000



4.1538, 13.9727, 0.0000



4.4462, 13.9727, 89.1723

Rectangle

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



30.6285, 13.9727, 83.5208



39.7047, 13.9727, 10.2273



4.1538, 13.9727, 0.0000



2.3249, 13.9727, 21.6040

Sweetspot

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



30.6293, 13.9732, 83.5212



66.7475, 56.1060, 101.9193



18.5972, 12.0292, 83.7801



13.6072, 11.0029, 21.6565



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.



30.6293, 13.9732, 83.5212



35.0911, 16.0050, 95.8475



46.3608, 22.6956, 56.5815



15.9259, 15.7590, 19.9240



16.9121, 7.7239, 45.7274



1.5107, 0.6961, 3.8089

Inverse Universe

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



37.3106, 19.0755, 8.9235



42.7964, 21.8826, 10.1261



31.5433, 62.4737, 12.4040



15.9846, 15.8435, 17.4749



20.4784, 10.4638, 5.1696



1.7476, 0.8881, 0.6616

Previews

White Background



This preview shows how the XYZ color 30.6285, 13.9727, 83.5208 looks on a white background.

Color Contrast Check

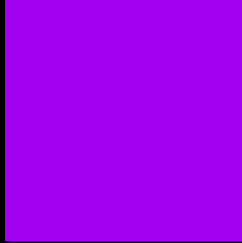
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.6285, 13.9727, 83.5208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

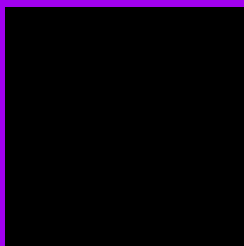
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.6285, 13.9727, 83.5208

Background



This preview shows how black text looks on a background with the XYZ color 30.6285, 13.9727, 83.5208.



This preview shows how white text looks on a background with the XYZ color 30.6285, 13.9727,

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

30.6285, 13.9727, 83.5208

Protanopia

17.0171, 14.4090, 66.1743

Deuteranopia

14.3316, 14.4824, 48.4944



Tritanopia

16.6682, 14.2634, 14.1865

Trichromacy



Original Color

30.6285, 13.9727, 83.5208



Protanomaly

17.1485, 10.0922, 71.5652



Deuteranomaly

15.0723, 9.6423, 59.4593



Tritanomaly

19.1374, 11.6097, 30.9380

Monochromacy



Original Color

30.6285, 13.9727, 83.5208



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.5643, 7.0173, 24.0375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6285, 13.9727, 83.5208 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(162, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(162, 0, 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(162, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 0, 240) }
```

Border

The CSS property to change the border of an element to XYZ 30.6285, 13.9727, 83.5208 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(162, 0, 240) }
```


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

```
.border{ border-color:rgb(162, 0, 240) }
```

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

Here you see how a box with a 4 pixel rgb(162, 0, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(162, 0,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6285, 13.9727, 83.5208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 0, 240) }
```

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

```
.background{ background-color: rgb(162, 0,  
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](#).

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