

# Converting Colors

XYZ(30.0578, 15.1664, 95.9509)

Have a look what the booklet for  
XYZ(30.0578, 15.1664, 95.9509)  
contains.

<b>XYZ(30.0490, 15.1631, 95.9508)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	30

# Color

**XYZ(30.0490, 15.1631,  
95.9508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8C33FF
RGB	140, 51, 255
RGB Percent	55%, 20%, 100%
CMY	0.4510, 0.8000, 0.0000
CMYK	0.45, 0.80, 0.00, 0.00
HSL	266°, 100%, 60%
HSV	266°, 80%, 100%
XYZ	30.0490, 15.1631, 95.9508
YIQ	100.8670, -12.4400, 82.3120

# Conversions

## Conversions Part 2

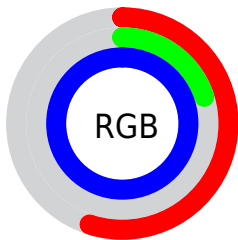
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	140, 51, 255
Decimal	9188351
CIE Lab	45.86, 73.99, -85.10
CIE LCh	46, 112.767, 311.008
Yxy	15.1631, 0.2129, 0.1074
Android (android.graphics.Color)	4287378431 (0xFF8C33FF)
YUV	100.8670, 75.9876, 34.3196
Hunter-Lab	38.9398, 69.5998, -118.8374

# Details

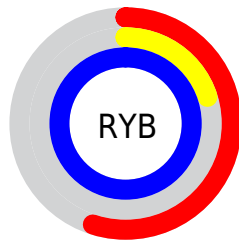
The XYZ color **30.0490, 15.1631, 95.9508** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **52.0823, 79.8654, 15.8025**, and the grayscale version is **12.1490, 12.7817, 13.9192**.

A 20% lighter version of the original color is **47.8758, 30.7138, 98.0128**, and **12.9797, 5.5271, 53.2060** is the 20% darker color. If you saturate the color by 10%, you get **26.9582, 12.3444, 95.5696**, and if you desaturate by 10%, it is **34.0677, 19.3653, 96.5500**.

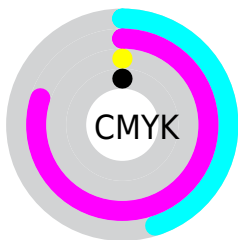
# Distribution



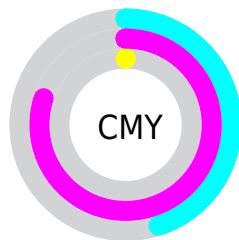
- Red (55%)
- Green (20%)
- Blue (100%)



- Red (55%)
- Yellow (20%)
- Blue (100%)



- Cyan (45%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (45%)
- Magenta (80%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0490, 15.1631, 95.9508 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 30.0490, 15.1631, 95.9508 by changing the saturation by 10% instead.




 30.0490, 15.1631,  
95.9508


 30.0490, 15.1631,  
95.9508


294.0385,  
224.3513, 568.2663


 20.0240, 8.9339,  
72.3253


 59.1258, 35.1391,  
157.5844

 12.5209, 4.6981,  
52.9360


 78.9083, 49.6546,  
196.4296


 7.1742, 2.0712,  
37.3643


 102.6740, 67.7011,  
241.1851

 3.6186, 0.6484,  
25.1917

 130.7883, 89.6629,  
292.2694

 1.4887, 0.0000,  
15.9996

 163.6166,  
115.9245, 350.1012

 0.3181, 0.0000,  
9.3695

 201.5241,

 0.0000, 0.0000,

146.8701, 415.0989

4.8829

244.8763,  
182.8843, 487.6811

■ 0.0000, 0.0000,  
2.1212

■ 0.0000, 0.0000,  
0.6283

■ 30.0490, 15.1631,  
95.9508

■ 30.0490, 15.1631,  
95.9508

■ 26.9582, 12.3444,  
95.5696

■ 34.0677, 19.3653,  
96.5500

■ 24.6378, 10.6162,  
95.3583

■ 39.1107, 25.1304,  
97.3970

■ 45.2629, 32.6111,  
98.5167

■ 52.5989, 41.9406,  
99.9308

■ 61.1858, 53.2387,  
101.6590

■ 71.0856, 66.6149,  
103.7191

■ 82.3556, 82.1704,  
106.1276

95.0498, 99.9997,  
108.9000

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



18.1933, 15.1631, 139.7337



30.0490, 15.1631, 95.9508



39.5400, 15.1631, 40.0911

# Triad

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



30.0490, 15.1631, 95.9508



21.2199, 15.1631, 0.0000



2.8829, 15.1631, 28.6648

# Complementary

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



30.0490, 15.1631, 95.9508



52.0823, 79.8654, 15.8025

# 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.



3.1142, 15.1631, 4.6585



30.0490, 15.1631, 95.9508



11.1948, 15.1631, 0.0000

# Square

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



30.0490, 15.1631, 95.9508



33.0842, 15.1631, 0.3544



5.4350, 15.1631, 0.0000



4.5484, 15.1631, 80.2297



# Rectangle

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



30.0490, 15.1631, 95.9508



41.5174, 15.1631, 15.6059



5.4350, 15.1631, 0.0000



2.7703, 15.1631, 17.4485

# Sweetspot

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



30.0498, 15.1635, 95.9508



66.9645, 61.0086, 102.8542



33.1607, 35.4148, 99.6957



13.5863, 12.0512, 21.8600



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.



30.0498, 15.1635, 95.9508



25.4976, 11.2237, 95.4303



55.6461, 28.3589, 97.1487



17.7549, 17.7654, 22.7432



13.0379, 5.6318, 49.8345



1.3921, 0.6116, 4.8579



# Inverse Universe

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



49.3063, 26.3806, 38.5671



46.7114, 23.6257, 30.1958



38.5111, 72.8692, 15.1673



18.4383, 18.1586, 20.9251



24.2453, 12.1874, 15.2083

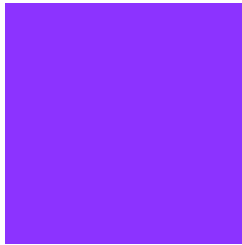


2.4156, 1.2086, 1.7699



# Previews

## White Background



This preview shows how the XYZ color 30.0490, 15.1631, 95.9508 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

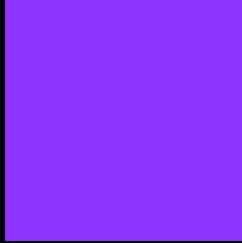
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.0490, 15.1631, 95.9508 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

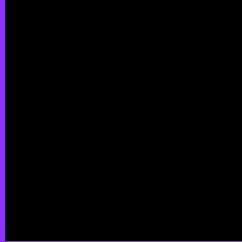
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# XYZ 30.0490, 15.1631, 95.9508

## Background



This preview shows how black text looks on a background with the XYZ color 30.0490, 15.1631, 95.9508.



This preview shows how white text looks on a background with the XYZ color 30.0490, 15.1631,



# 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**

30.0490, 15.1631, 95.9508

**Deuteranopia**

14.8697, 15.0430, 50.2640

**Tritanopia**

14.4588, 15.0502, 18.6659

# Trichromacy



## Original Color

30.0490, 15.1631, 95.9508

## Deuteranomaly

16.9479, 12.6527, 64.4997

## Tritanomaly

17.8545, 13.4580, 38.2158

# Monochromacy



## Original Color

30.0490, 15.1631, 95.9508

## Achromatopsia

12.3695, 13.0136, 14.1719

## Achromatomaly

16.2493, 12.2657, 33.4094

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.0490, 15.1631, 95.9508 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(140, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(140, 51, 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(140, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 51, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 30.0490, 15.1631, 95.9508 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(140, 51, 255) }
```

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

```
.border{ border-color:rgb(140, 51, 255) }
```

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

Here you see how a box with a 4 pixel rgb(140, 51, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 51,  
255) }
```



# Background

The CSS property to change the background color of an element to XYZ 30.0490, 15.1631, 95.9508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 51, 255) }
```

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

```
.background{ background-color: rgb(140, 51,  
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**