

Converting Colors

XYZ(30.0651, 14.7189, 78.3484)

Have a look what the booklet for
XYZ(30.0651, 14.7189, 78.3484)
contains.

XYZ(30.0368, 14.7220, 78.3493)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.0368, 14.7220,
78.3493)**

Conversions

Conversions Part 1

Format	Color
Hex	A124E9
RGB	161, 36, 233
RGB Percent	63%, 14%, 91%
CMY	0.3686, 0.8588, 0.0863
CMYK	0.31, 0.85, 0.00, 0.09
HSL	278°, 82%, 53%
HSV	278°, 85%, 91%
XYZ	30.0368, 14.7220, 78.3493
YIQ	95.8330, 11.2630, 87.7670

Conversions

Conversions Part 2

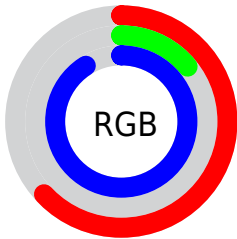
Format	Color
R_{YB}	161, 36, 233
Decimal	10560745
CIE _{Lab}	45.25, 76.56, -73.62
CIE _{LCh}	45, 106.209, 316.123
Yxy	14.7220, 0.2440, 0.1196
Android (android.graphics.Color)	4288750825 (0xFFA124E9)
YUV	95.8330, 67.6233, 57.1515
Hunter-Lab	38.3693, 72.5899, -94.2106

Details

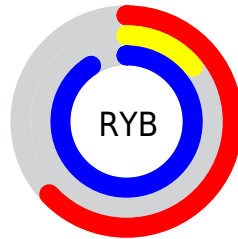
The XYZ color **30.0368, 14.7220, 78.3493** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **35.6417, 61.5935, 11.6795**, and the grayscale version is **10.9184, 11.4870, 12.5093**.

A 20% lighter version of the original color is **52.4260, 31.7065, 97.9646**, and **13.2033, 5.9013, 41.5175** is the 20% darker color. If you saturate the color by 10%, you get **27.8886, 12.8861, 78.1085**, and if you desaturate by 10%, it is **32.7613, 17.5348, 78.7489**.

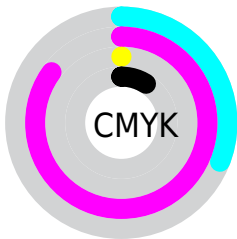
Distribution



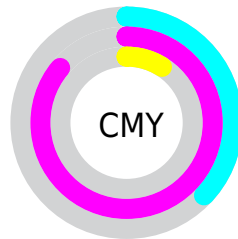
- Red (63%)
- Green (14%)
- Blue (91%)



- Red (63%)
- Yellow (14%)
- Blue (91%)



- Cyan (31%)
- Magenta (85%)
- Yellow (0%)
- Black (9%)





- Cyan (37%)
- Magenta (86%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0368, 14.7220, 78.3493 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 30.0368, 14.7220, 78.3493 by changing the saturation by 10% instead.


 30.0368, 14.7220,
78.3493


 30.0368, 14.7220,
78.3493


293.9827,
221.6773, 508.9116

 20.0147, 8.6245,
57.8428


 59.1066, 34.3647,
132.8328


 12.5141, 4.4971,
41.2684


 78.8850, 48.6788,
167.6468


 7.1695, 1.9553,
28.2076


 102.6463, 66.5005,
208.0671


 3.6156, 0.5813,
18.2418

 130.7558, 88.2142,
254.5122

 1.4870, 0.0000,
10.9525

 163.5788,
114.2043, 307.4007

 0.3170, 0.0000,
5.9211

 201.4807,

 0.0000, 0.0000,

144.8553, 367.1511

2.7292

244.8269,
180.5515, 434.1818

■ 0.0000, 0.0000,
0.9581

■ 0.0000, 0.0000,
0.0000

■ 30.0368, 14.7220,
78.3493

■ 30.0368, 14.7220,
78.3493

■ 27.8886, 12.8861,
78.1085

■ 32.7613, 17.5348,
78.7489

■ 26.8929, 12.1647,
78.0217

■ 36.1389, 21.4780,
79.3320

■ 40.2355, 26.6792,
80.1201

■ 45.1075, 33.2478,
81.1311

■ 50.8050, 41.2813,
82.3815

■ 57.3737, 50.8677,
83.8856

■ 64.8557, 62.0884,
85.6571

■ 73.2900, 75.0187,
87.7084

■ 82.7134, 89.7292,
90.0511

Harmonies

Analogous

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



19.2258, 14.7220, 121.8391



30.0368, 14.7220, 78.3493



37.6237, 14.7220, 30.6527

Triad

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



30.0368, 14.7220, 78.3493



18.4465, 14.7220, 0.0000



3.2316, 14.7220, 33.5604

Complementary

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



30.0368, 14.7220, 78.3493



35.6417, 61.5935, 11.6795

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.



3.1676, 14.7220, 7.0030



30.0368, 14.7220, 78.3493



9.8076, 14.7220, 0.0000

Square

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



30.0368, 14.7220, 78.3493



29.2649, 14.7220, 0.1021



5.0086, 14.7220, 0.3079



5.2482, 14.7220, 82.2727

Rectangle

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



30.0368, 14.7220, 78.3493



38.3958, 14.7220, 11.4049



5.0086, 14.7220, 0.3079



3.0225, 14.7220, 21.7613

Sweetspot

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



30.0376, 14.7225, 78.3497



69.9172, 61.6966, 102.8313



20.8230, 17.0330, 79.2813



14.3339, 12.2772, 21.8642



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.



30.0376, 14.7225, 78.3497



32.9107, 14.8810, 95.7455



45.4653, 23.0776, 60.9192



15.1501, 15.0227, 19.0234



15.4003, 6.9751, 44.2776



1.3143, 0.6019, 3.4818

Inverse Universe

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



36.9421, 19.6683, 16.0364



43.2244, 22.0538, 12.3799



30.7435, 59.0039, 14.3647



15.2930, 15.1451, 16.8283



20.0561, 10.2251, 6.0969



1.6198, 0.8209, 0.7150

Previews

White Background



This preview shows how the XYZ color 30.0368, 14.7220, 78.3493 looks on a white background.

Color Contrast Check

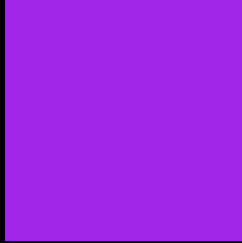
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0368, 14.7220, 78.3493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

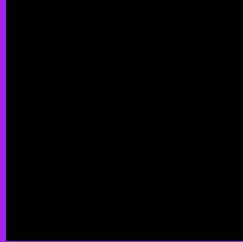
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.0368, 14.7220, 78.3493

Background



This preview shows how black text looks on a background with the XYZ color 30.0368, 14.7220, 78.3493.



This preview shows how white text looks on a background with the XYZ color 30.0368, 14.7220,

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

30.0368, 14.7220, 78.3493

Protanopia

17.7365, 15.0151, 68.9812

Deuteranopia

14.8702, 14.8696, 50.8016



Tritanopia

17.0216, 14.5670, 14.7465

Trichromacy



Original Color

30.0368, 14.7220, 78.3493



Protanomaly

18.0542, 11.9036, 71.8671



Deuteranomaly

16.0375, 11.5726, 59.7810



Tritanomaly

19.8079, 13.2106, 30.3601

Monochromacy



Original Color

30.0368, 14.7220, 78.3493



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

15.3828, 10.9660, 28.5000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0368, 14.7220, 78.3493 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(161, 36, 233)` looks like.

```
.text, #text, p{  
    color:rgb(161, 36, 233)  
}
```

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(161, 36, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 36, 233) }
```

Border

The CSS property to change the border of an element to XYZ 30.0368, 14.7220, 78.3493 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(161, 36, 233) }
```


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

```
.border{ border-color:rgb(161, 36, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 36, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 36, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 36, 233);  
box-shadow:4px 4px 4px 4px rgb(161, 36,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0368, 14.7220, 78.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 36, 233) }
```

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

```
.background{ background-color: rgb(161, 36,  
233) }
```

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