

Converting Colors

XYZ(32.6955, 14.9994, 85.3733)

Have a look what the booklet for
XYZ(32.6955, 14.9994, 85.3733)
contains.

XYZ(32.6046, 14.9569, 85.1729)	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(32.6046, 14.9569,
85.1729)**

Conversions

Conversions Part 1

Format	Color
Hex	AA00F2
RGB	170, 0, 242
RGB Percent	67%, 0%, 95%
CMY	0.3333, 1.0000, 0.0510
CMYK	0.30, 1.00, 0.00, 0.05
HSL	282°, 100%, 47%
HSV	282°, 100%, 95%
XYZ	32.6046, 14.9569, 85.1729
YIQ	78.4180, 23.6380, 111.3020

Conversions

Conversions Part 2

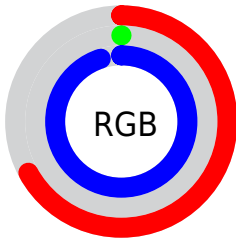
Format	Color
R_{YB}	170, 0, 242
Decimal	11141362
CIE _{Lab}	45.58, 84.60, -78.12
CIE _{LCh}	46, 115.150, 317.283
Yxy	14.9569, 0.2456, 0.1127
Android (android.graphics.Color)	4289331442 (0xFFAA00F2)
YUV	78.4180, 80.6459, 80.3174
Hunter-Lab	38.6742, 82.8063, -103.5037

Details

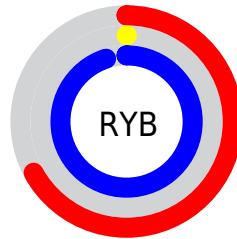
The XYZ color **32.6046, 14.9569, 85.1729** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **34.4251, 64.8824, 10.7094**, and the grayscale version is **7.1709, 7.5443, 8.2158**.

A 20% lighter version of the original color is **54.5774, 31.3537, 97.7831**, and **14.9584, 6.7119, 45.8545** is the 20% darker color. If you saturate the color by 10%, you get **32.6049, 14.9570, 85.1732**, and if you desaturate by 10%, it is **34.5358, 16.4437, 85.3584**.

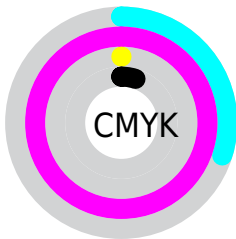
Distribution



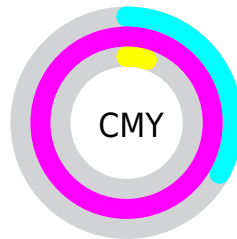
- Red (67%)
- Green (0%)
- Blue (95%)



- Red (67%)
- Yellow (0%)
- Blue (95%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (33%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6046, 14.9569, 85.1729 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 32.6046, 14.9569, 85.1729 by changing the saturation by 10% instead.

 32.6046, 14.9569,
85.1729


 32.6046, 14.9569,
85.1729


305.5608,
223.1052, 532.3595


 21.9815, 8.7891,
63.4333


 63.1165, 34.7776,
142.4910


 13.9598, 4.6039,
45.7486


 83.7361, 49.1992,
178.9066


 8.1742, 2.0168,
31.7002

 108.4185, 67.1410,
221.0513

 4.2594, 0.6172,
20.8697

 137.5291, 88.9873,
269.3435

 1.8499, 0.0000,
12.8385

 171.4333,
115.1225, 324.2020

 0.5475, 0.0000,
7.1880

 210.4964,

 0.0000, 0.0000,

145.9309, 386.0451

3.4997

255.0838,
181.7970, 455.2914

■ 0.0000, 0.0000,
1.3551

■ 0.0000, 0.0000,
0.1063

■ 32.6046, 14.9569,
85.1729

■ 32.6046, 14.9569,
85.1729

■ 32.6049, 14.9570,
85.1732

■ 34.5358, 16.4437,
85.3584

■ 36.9647, 18.7984,
85.6849

■ 40.0218, 22.2793,
86.1956

■ 43.7850, 27.0399,
86.9162

■ 48.3198, 33.2097,
87.8681

■ 53.6837, 40.9017,
89.0701

■ 59.9283, 50.2173,
90.5390

■ 67.1007, 61.2492,
92.2904

■ 75.2445, 74.0827,
94.3383

Harmonies

Analogous

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



20.4523, 14.9569, 137.3810



32.6046, 14.9569, 85.1729



40.9819, 14.9569, 30.9581

Triad

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



32.6046, 14.9569, 85.1729



18.6908, 14.9569, 0.0000



2.8568, 14.9569, 37.6471

Complementary

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



32.6046, 14.9569, 85.1729



34.4251, 64.8824, 10.7094

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.



2.7278, 14.9569, 7.1837



32.6046, 14.9569, 85.1729



9.3970, 14.9569, 0.0000

Square

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



32.6046, 14.9569, 85.1729



30.8252, 14.9569, 0.0000



4.4945, 14.9569, 0.0323



4.9958, 14.9569, 94.4879

Rectangle

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



32.6046, 14.9569, 85.1729



41.6020, 14.9569, 10.4491



4.4945, 14.9569, 0.0323



2.6278, 14.9569, 23.9693

Sweetspot

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



32.6054, 14.9574, 85.1733



67.4267, 56.4561, 101.9511



18.3839, 11.1243, 85.1830



13.7698, 11.0868, 21.6642



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.



32.6054, 14.9574, 85.1733



36.6712, 16.8196, 95.9215



46.3111, 22.7547, 52.7560



15.9697, 15.7816, 19.9261



17.6594, 8.1092, 45.7623



1.5685, 0.7259, 3.8117

Inverse Universe

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



37.7880, 19.3454, 7.8741



42.5399, 21.7800, 8.7751



32.2943, 63.7213, 13.4378



15.9663, 15.8362, 17.3788



20.3521, 10.4133, 4.5047



1.7353, 0.8831, 0.5967

Previews

White Background



This preview shows how the XYZ color 32.6046, 14.9569, 85.1729 looks on a white background.

Color Contrast Check

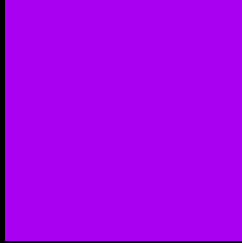
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.6046, 14.9569, 85.1729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

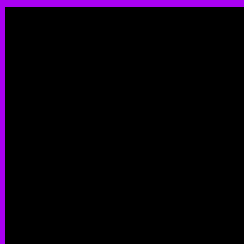
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

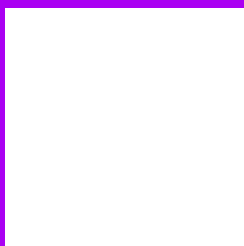
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.6046, 14.9569, 85.1729

Background



This preview shows how black text looks on a background with the XYZ color 32.6046, 14.9569, 85.1729.



This preview shows how white text looks on a background with the XYZ color 32.6046, 14.9569,

85.1729.

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

32.6046, 14.9569, 85.1729

Protanopia

18.3389, 15.5820, 71.1483

Deuteranopia

15.4198, 15.4386, 52.6193



Tritanopia

18.3445, 15.2547, 14.5480

Trichromacy



Original Color

32.6046, 14.9569, 85.1729



Protanomaly

18.1366, 10.6956, 75.2373



Deuteranomaly

15.9977, 10.2338, 62.7602



Tritanomaly

20.8832, 12.5002, 31.4491

Monochromacy



Original Color

32.6046, 14.9569, 85.1729



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

12.2836, 7.4957, 24.8442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6046, 14.9569, 85.1729 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(170, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(170, 0, 242)  
}
```

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(170, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 32.6046, 14.9569, 85.1729 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(170, 0, 242) }
```


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

```
.border{ border-color:rgb(170, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(170, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(170, 0,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6046, 14.9569, 85.1729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 0, 242) }
```

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

```
.background{ background-color: rgb(170, 0,  
242) }
```

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