

Converting Colors

XYZ(32.7824, 21.5882, 64.6879)

Have a look what the booklet for
XYZ(32.7824, 21.5882, 64.6879)
contains.

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Color

**XYZ(32.7705, 21.5958,
64.7286)**

Conversions

Conversions Part 1

Format	Color
Hex	AB5FD4
RGB	171, 95, 212
RGB Percent	67%, 37%, 83%
CMY	0.3294, 0.6274, 0.1686
CMYK	0.19, 0.55, 0.00, 0.17
HSL	279°, 58%, 60%
HSV	279°, 55%, 83%
XYZ	32.7705, 21.5958, 64.7286
YIQ	131.0620, 7.7390, 52.4990

Conversions

Conversions Part 2

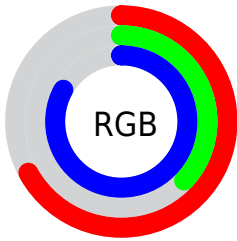
Format	Color
R _Y B	171, 95, 212
Decimal	11231188
CIE _{Lab}	53.60, 50.62, -48.18
CIE _{LCh}	54, 69.883, 316.420
Yxy	21.5958, 0.2752, 0.1813
Android (android.graphics.Color)	4289421268 (0xFFAB5FD4)
YUV	131.0620, 39.9024, 35.0256
Hunter-Lab	46.4713, 44.5494, -50.0536

Details

The XYZ color **32.7705, 21.5958, 64.7286** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **35.7629, 53.1479, 19.2009**, and the grayscale version is **21.4564, 22.5738, 24.5829**.

A 20% lighter version of the original color is **60.9530, 45.0578, 100.0922**, and **14.1521, 7.8751, 32.6724** is the 20% darker color. If you saturate the color by 10%, you get **29.5414, 17.4720, 64.1032**, and if you desaturate by 10%, it is **36.6118, 26.8072, 65.5324**.

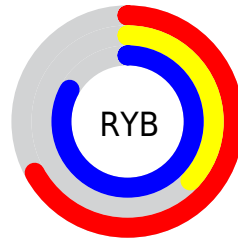
Distribution



Red (67%)

Green (37%)

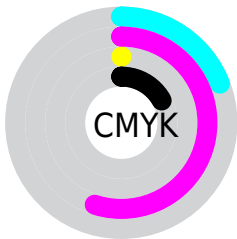
Blue (83%)



Red (67%)

Yellow (37%)

Blue (83%)

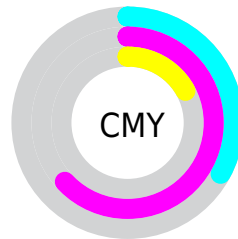


Cyan (19%)

Magenta (55%)

Yellow (0%)

Black (17%)



Cyan (33%)

Magenta (63%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7705, 21.5958, 64.7286 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 32.7705, 21.5958, 64.7286 by changing the saturation by 10% instead.

■ 32.7705, 21.5958,
64.7286

■ 32.7705, 21.5958,
64.7286

306.2976,
260.4281, 460.0955

■ 22.1091, 13.5602,
46.7911

■ 63.3741, 46.0770,
113.2691

■ 14.0541, 7.8154,
32.5174

■ 84.0471, 63.2914,
144.7092

■ 8.2403, 3.9771,
21.4889

■ 108.7879, 84.3343,
181.4872

■ 4.3022, 1.6607,
13.2871

■ 137.9619,
109.5899, 224.0218

■ 1.8745, 0.3980,
7.4935

171.9346,
139.4427, 272.7313

■ 0.5619, 0.0000,
3.6895

211.0712,

■ 0.0000, 0.0000,

174.2770, 328.0344

1.4566

255.7371,
214.4774, 390.3497

■ 0.0000, 0.0000,
0.1853

■ 0.0000, 0.0000,
0.0000

■ 32.7705, 21.5958,
64.7286

■ 32.7705, 21.5958,
64.7286

■ 29.5414, 17.4720,
64.1032

■ 36.6118, 26.8072,
65.5324

■ 26.8771, 14.3460,
63.6402

■ 41.1026, 33.1813,
66.5260

■ 24.7270, 12.1175,
63.3234

■ 46.2799, 40.7890,
67.7216

■ 23.0278, 10.6629,
63.1322

■ 52.1770, 49.6951,
69.1298

■ 22.3173, 10.1322,
63.0672

■ 58.8249, 59.9595,
70.7607

■ 66.2528, 71.6386,
72.6235

■ 74.4881, 84.7852,
74.7270

■ 80.4162, 93.1683,
76.0327

■ 82.8575, 94.4269,
76.1469

Harmonies

Analogous

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



24.8542, 21.5958, 89.0374



32.7705, 21.5958, 64.7286



37.8664, 21.5958, 34.5400

Triad

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



32.7705, 21.5958, 64.7286



24.0821, 21.5958, 1.9206



9.6117, 21.5958, 37.1445

Complementary

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



32.7705, 21.5958, 64.7286



35.7629, 53.1479, 19.2009

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.



9.5012, 21.5958, 15.1266



32.7705, 21.5958, 64.7286



16.7322, 21.5958, 2.0216

Square

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



32.7705, 21.5958, 64.7286



32.0885, 21.5958, 4.5430



11.7893, 21.5958, 5.0414



12.1401, 21.5958, 67.5982

Rectangle

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



32.7705, 21.5958, 64.7286



38.3363, 21.5958, 19.2129



11.7893, 21.5958, 5.0414



9.3162, 21.5958, 28.4137

Sweetspot

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



32.7714, 21.5967, 64.7291



77.3766, 72.6241, 104.5474



25.6778, 25.3354, 65.8246



16.1629, 14.9393, 22.2816



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.



32.7714, 21.5967, 64.7291



44.2053, 25.7270, 97.2437



41.2535, 26.1859, 55.3442



12.5111, 12.4049, 15.6725



13.8895, 6.3128, 38.9396



0.9258, 0.4261, 2.3528

Inverse Universe

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



35.6880, 23.9597, 26.0367



49.7870, 30.0931, 30.2464



31.1107, 50.6593, 23.0630



12.6012, 12.4920, 13.8399



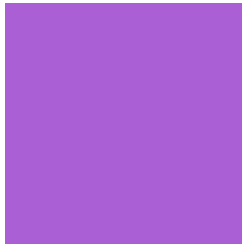
17.5741, 8.9660, 5.0612



1.0986, 0.5562, 0.5086

Previews

White Background



This preview shows how the XYZ color 32.7705, 21.5958, 64.7286 looks on a white background.

Color Contrast Check

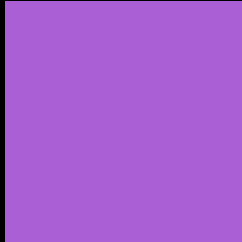
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.7705, 21.5958, 64.7286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

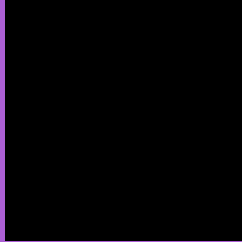
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.7705, 21.5958, 64.7286

Background



This preview shows how black text looks on a background with the XYZ color 32.7705, 21.5958, 64.7286.



This preview shows how white text looks on a background with the XYZ color 32.7705, 21.5958,

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

32.7705, 21.5958, 64.7286

Protanopia

25.3316, 21.9244, 86.1158

Deuteranopia

22.5259, 21.9931, 60.8155



Tritanopia

24.2277, 21.4980, 22.6113

Trichromacy



Original Color

32.7705, 21.5958, 64.7286



Protanomaly

25.8970, 20.4665, 77.4484



Deuteranomaly

24.9489, 20.9896, 62.4110



Tritanomaly

26.6587, 21.1581, 34.5771

Monochromacy



Original Color

32.7705, 21.5958, 64.7286



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

24.6777, 21.6059, 36.1274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7705, 21.5958, 64.7286 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(171, 95, 212)` looks like.

```
.text, #text, p{  
    color:rgb(171, 95, 212)  
}
```

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(171, 95, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 95, 212) }
```

Border

The CSS property to change the border of an element to XYZ 32.7705, 21.5958, 64.7286 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(171, 95, 212) }
```


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

```
.border{ border-color:rgb(171, 95, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 95, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 95, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 95, 212);  
box-shadow:4px 4px 4px 4px rgb(171, 95,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7705, 21.5958, 64.7286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 95, 212) }
```

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

```
.background{ background-color: rgb(171, 95,  
212) }
```

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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