

Converting Colors

XYZ(32.1808, 17.2571, 78.7724)

Have a look what the booklet for
XYZ(32.1808, 17.2571, 78.7724)
contains.

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Color

**XYZ(32.2602, 17.3304,
78.7356)**

Conversions

Conversions Part 1

Format	Color
Hex	A73CE9
RGB	167, 60, 233
RGB Percent	65%, 24%, 91%
CMY	0.3451, 0.7647, 0.0863
CMYK	0.28, 0.74, 0.00, 0.09
HSL	277°, 80%, 57%
HSV	277°, 74%, 91%
XYZ	32.2602, 17.3304, 78.7356
YIQ	111.7150, 8.2390, 76.4870

Conversions

Conversions Part 2

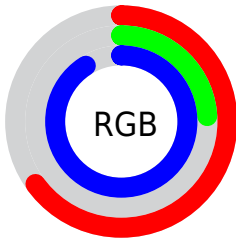
Format	Color
R_{YB}	167, 60, 233
Decimal	10960105
CIE _{Lab}	48.67, 70.01, -68.01
CIE _{LCh}	49, 97.604, 315.831
Yxy	17.3304, 0.2514, 0.1350
Android (android.graphics.Color)	4289150185 (0xFFA73CE9)
YUV	111.7150, 59.7935, 48.4849
Hunter-Lab	41.6298, 65.4730, -82.9960

Details

The XYZ color **32.2602, 17.3304, 78.7356** is a light color, and the websafe version is hex **9900CC**. The color can be described as light washed purple. A complement of this color would be **38.5589, 63.0400, 14.4110**, and the grayscale version is **15.1477, 15.9365, 17.3549**.

A 20% lighter version of the original color is **56.0898, 36.2735, 98.6530**, and **14.0208, 6.3227, 41.5557** is the 20% darker color. If you saturate the color by 10%, you get **29.4834, 14.4686, 78.3299**, and if you desaturate by 10%, it is **35.7046, 21.3336, 79.3271**.

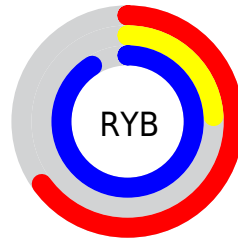
Distribution



Red (65%)

Green (24%)

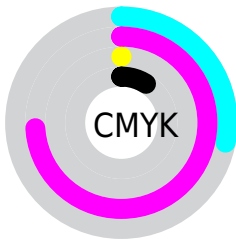
Blue (91%)



Red (65%)

Yellow (24%)

Blue (91%)

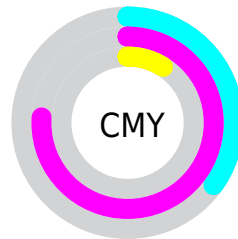


Cyan (28%)

Magenta (74%)

Yellow (0%)

Black (9%)



Cyan (35%)


Magenta (76%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2602, 17.3304, 78.7356 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 32.2602, 17.3304, 78.7356 by changing the saturation by 10% instead.


 32.2602, 17.3304,
78.7356

 32.2602, 17.3304,
78.7356


304.0271,
237.0692, 510.2554


 21.7168, 10.4703,
58.1584


 62.5812, 38.8930,
133.3819


 13.7644, 5.7119,
41.5205


 83.0896, 54.3643,
168.2880


 8.0376, 2.6707,
28.4032


 107.6503, 73.4748,
208.8076

 4.1710, 0.9623,
18.3882

 136.6288, 96.6089,
255.3591

 1.7993, 0.0000,
11.0567

 170.3904,
124.1510, 308.3611

 0.5173, 0.0000,
5.9903

209.3004,

 0.0000, 0.0000,

156.4855, 368.2321

2.7705

253.7242,
193.9968, 435.3907

■ 0.0000, 0.0000,
0.9787

■ 0.0000, 0.0000,
0.0000

■ 32.2602, 17.3304,
78.7356

■ 32.2602, 17.3304,
78.7356

■ 29.4834, 14.4686,
78.3299

■ 35.7046, 21.3336,
79.3271

■ 27.2928, 12.5923,
78.0832

■ 39.8791, 26.6030,
80.1242

■ 26.2293, 11.8227,
77.9907

■ 44.8411, 33.2482,
81.1453

■ 50.6409, 41.3667,
82.4066

■ 57.3244, 51.0464,
83.9228

■ 64.9336, 62.3686,
85.7071

■ 73.5080, 75.4085,
87.7721

■ 83.0845, 90.2369,
90.1296

■ 88.8266, 97.1778,
91.1667

Harmonies

Analogous

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



21.6571, 17.3304, 117.9572



32.2602, 17.3304, 78.7356



39.5870, 17.3304, 33.7840

Triad

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



32.2602, 17.3304, 78.7356



21.0807, 17.3304, 0.0000



4.8038, 17.3304, 35.8721

Complementary

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



32.2602, 17.3304, 78.7356



38.5589, 63.0400, 14.4110

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.



4.7469, 17.3304, 9.1536



32.2602, 17.3304, 78.7356



12.1886, 17.3304, 0.0000

Square

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



32.2602, 17.3304, 78.7356



31.7080, 17.3304, 0.9725



6.9174, 17.3304, 1.1201



7.1183, 17.3304, 81.3985

Rectangle

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



32.2602, 17.3304, 78.7356



40.3760, 17.3304, 14.2703



6.9174, 17.3304, 1.1201



4.5588, 17.3304, 24.3648

Sweetspot

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



32.2610, 17.3310, 78.7360



72.2504, 65.4454, 103.4320



24.0733, 21.8472, 80.0393



14.9483, 13.2481, 22.0192



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.



32.2610, 17.3310, 78.7360



34.7045, 16.4239, 95.9487



47.2075, 25.3505, 65.2343



15.1260, 15.0102, 19.0223



15.0253, 6.7817, 44.2601



1.2864, 0.5875, 3.4805

Inverse Universe

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



38.9863, 22.0620, 21.9422



44.7297, 23.3222, 18.2522



32.4575, 59.8208, 17.4613



15.3032, 15.1492, 16.8822



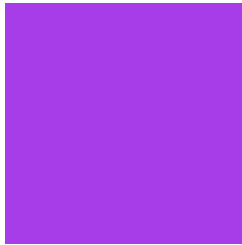
20.1441, 10.2603, 6.5602



1.6274, 0.8239, 0.7553

Previews

White Background



This preview shows how the XYZ color 32.2602, 17.3304, 78.7356 looks on a white background.

Color Contrast Check

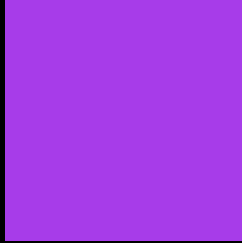
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.2602, 17.3304, 78.7356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

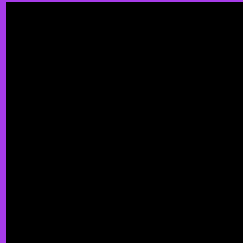
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.2602, 17.3304, 78.7356

Background



This preview shows how black text looks on a background with the XYZ color 32.2602, 17.3304, 78.7356.



This preview shows how white text looks on a background with the XYZ color 32.2602, 17.3304,

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

32.2602, 17.3304, 78.7356

Protanopia

20.9345, 17.6445, 81.6592

Deuteranopia

17.7409, 17.4619, 61.4669



Tritanopia

19.7290, 17.1815, 17.6058

Trichromacy



Original Color

32.2602, 17.3304, 78.7356



Protanomaly

20.8342, 14.8190, 80.3595



Deuteranomaly

18.5938, 14.4994, 66.7844



Tritanomaly

22.8169, 16.2498, 33.3864

Monochromacy



Original Color

32.2602, 17.3304, 78.7356



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

19.4308, 15.1345, 33.3496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2602, 17.3304, 78.7356 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(167, 60, 233)` looks like.

```
.text, #text, p{  
    color:rgb(167, 60, 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(167, 60, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 60, 233) }
```

Border

The CSS property to change the border of an element to XYZ 32.2602, 17.3304, 78.7356 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(167, 60, 233) }
```


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

```
.border{ border-color:rgb(167, 60, 233) }
```

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

Here you see how a box with a 4 pixel rgb(167, 60, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 60, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 60, 233);  
box-shadow:4px 4px 4px 4px rgb(167, 60,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2602, 17.3304, 78.7356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 60, 233) }
```

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

```
.background{ background-color: rgb(167, 60,  
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](#).

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