

Converting Colors

XYZ(32.9204, 17.5941, 78.7357)

Have a look what the booklet for
XYZ(32.9204, 17.5941, 78.7357)
contains.

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Color

**XYZ(32.8495, 17.5572,
78.7483)**

Conversions

Conversions Part 1

Format	Color
Hex	AA3BE9
RGB	170, 59, 233
RGB Percent	67%, 23%, 91%
CMY	0.3333, 0.7686, 0.0863
CMYK	0.27, 0.75, 0.00, 0.09
HSL	278°, 80%, 57%
HSV	278°, 75%, 91%
XYZ	32.8495, 17.5572, 78.7483
YIQ	112.0250, 10.3020, 77.6460

Conversions

Conversions Part 2

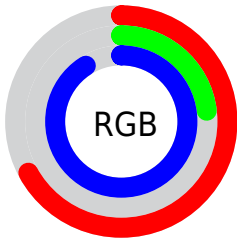
Format	Color
R _{YB}	170, 59, 233
Decimal	11156457
CIE _{Lab}	48.95, 70.91, -67.53
CIE _{LCh}	49, 97.924, 316.397
Y _{xy}	17.5572, 0.2543, 0.1359
Android (android.graphics.Color)	4289346537 (0xFFAA3BE9)
YUV	112.0250, 59.6407, 50.8441
Hunter-Lab	41.9013, 66.6119, -82.0973

Details

The XYZ color **32.8495, 17.5572, 78.7483** 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 **37.9547, 62.7315, 14.2461**, and the grayscale version is **15.2380, 16.0315, 17.4583**.

A 20% lighter version of the original color is **57.0444, 36.7656, 98.6976**, and **14.3920, 6.5141, 41.5731** is the 20% darker color. If you saturate the color by 10%, you get **30.1424, 14.7632, 78.3520**, and if you desaturate by 10%, it is **36.2092, 21.4806, 79.3289**.

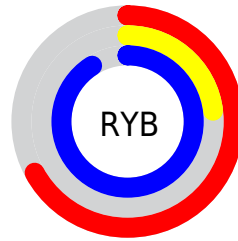
Distribution



Red (67%)

Green (23%)

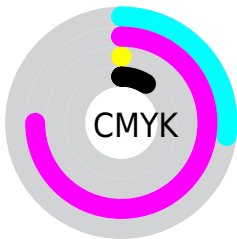
Blue (91%)



Red (67%)

Yellow (23%)

Blue (91%)

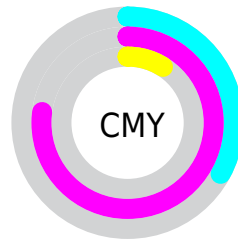


Cyan (27%)

Magenta (75%)

Yellow (0%)

Black (9%)



Cyan (33%)


Magenta (77%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8495, 17.5572, 78.7483 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 32.8495, 17.5572, 78.7483 by changing the saturation by 10% instead.


 32.8495, 17.5572,
78.7483


 32.8495, 17.5572,
78.7483


306.6480,
238.3632, 510.2995


 22.1699, 10.6326,
58.1688


 63.4967, 39.2813,
133.3999


 14.0991, 5.8203,
41.5288


 84.1951, 54.8496,
168.3091


 8.2718, 2.7361,
28.4097

 108.9636, 74.0679,
208.8319

 4.3226, 0.9956,
18.3930

 138.1678, 97.3206,
255.3869

 1.8862, 0.0000,
11.0601

 172.1730,
124.9921, 308.3926

 0.5688, 0.0000,
5.9926

211.3446,

 0.0000, 0.0000,

157.4667, 368.2676

2.7719

256.0478,
195.1290, 435.4304

■ 0.0000, 0.0000,
0.9794

■ 0.0000, 0.0000,
0.0000

■ 32.8495, 17.5572,
78.7483

■ 32.8495, 17.5572,
78.7483

■ 30.1424, 14.7632,
78.3520

■ 36.2092, 21.4806,
79.3289

■ 28.0060, 12.9411,
78.1129

■ 40.2842, 26.6587,
80.1136

■ 27.0369, 12.2390,
78.0285

■ 45.1317, 33.2019,
81.1210

■ 50.8019, 41.2074,
82.3674

57.3404, 50.7638,
83.8673

64.7892, 61.9521,
85.6343

73.1875, 74.8479,
87.6808

82.5720, 89.5217,
90.0185

88.4485, 96.9829,
91.1490

Harmonies

Analogous

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



22.1345, 17.5572, 118.8610



32.8495, 17.5572, 78.7483



40.1472, 17.5572, 33.5028

Triad

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



32.8495, 17.5572, 78.7483



21.1538, 17.5572, 0.0000



4.8957, 17.5572, 37.0544

Complementary

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



32.8495, 17.5572, 78.7483



37.9547, 62.7315, 14.2461

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.



4.7988, 17.5572, 9.5818



32.8495, 17.5572, 78.7483



12.2167, 17.5572, 0.0000

Square

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



32.8495, 17.5572, 78.7483



31.9104, 17.5572, 0.9434



6.9484, 17.5572, 1.1959



7.2904, 17.5572, 83.2752

Rectangle

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



32.8495, 17.5572, 78.7483



40.8372, 17.5572, 14.0563



6.9484, 17.5572, 1.1959



4.6342, 17.5572, 25.2659

Sweetspot

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



32.8503, 17.5578, 78.7487



72.6086, 65.6300, 103.4487



23.5703, 20.9300, 79.8887



15.0332, 13.2918, 22.0232



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.



32.8503, 17.5578, 78.7487



35.4013, 16.6970, 95.9647



46.7766, 25.0952, 63.2212



15.1553, 15.0253, 19.0237



15.4816, 7.0170, 44.2814



1.3204, 0.6050, 3.4821

Inverse Universe

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



38.6815, 21.8571, 20.5927



44.3369, 23.0722, 16.4700



32.4736, 59.8203, 17.8581



15.2908, 15.1442, 16.8169



20.0380, 10.2179, 6.0013



1.6182, 0.8202, 0.7067

Previews

White Background



This preview shows how the XYZ color 32.8495, 17.5572, 78.7483 looks on a white background.

Color Contrast Check

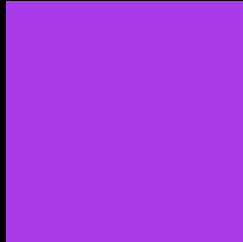
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8495, 17.5572, 78.7483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

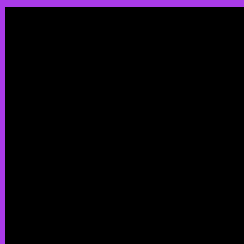
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.8495, 17.5572, 78.7483

Background



This preview shows how black text looks on a background with the XYZ color 32.8495, 17.5572, 78.7483.



This preview shows how white text looks on a background with the XYZ color 32.8495, 17.5572,

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

32.8495, 17.5572, 78.7483

Protanopia

21.2268, 17.7614, 83.1984

Deuteranopia

17.9820, 17.7477, 62.1524



Tritanopia

20.3972, 17.5324, 17.3480

Trichromacy



Original Color

32.8495, 17.5572, 78.7483



Protanomaly

21.0413, 14.9090, 81.1256



Deuteranomaly

18.7857, 14.5833, 67.4704



Tritanomaly

23.3107, 16.5141, 32.9693

Monochromacy



Original Color

32.8495, 17.5572, 78.7483



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

19.5880, 15.2155, 33.3570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8495, 17.5572, 78.7483 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, 59, 233)` looks like.

```
.text, #text, p{  
    color:rgb(170, 59, 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(170, 59, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 59, 233) }
```

Border

The CSS property to change the border of an element to XYZ 32.8495, 17.5572, 78.7483 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, 59, 233) }
```


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

```
.border{ border-color:rgb(170, 59, 233) }
```

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

Here you see how a box with a 4 pixel rgb(170, 59, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 59, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 59, 233);  
box-shadow:4px 4px 4px 4px rgb(170, 59,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8495, 17.5572, 78.7483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 59, 233) }
```

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

```
.background{ background-color: rgb(170, 59,  
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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