

Converting Colors

XYZ(33.7032, 22.7124, 80.4495)

Have a look what the booklet for
XYZ(33.7032, 22.7124, 80.4495)
contains.

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Color

**XYZ(33.7032, 22.7124,
80.4495)**

Conversions

Conversions Part 1

Format	Color
Hex	9E66EA
RGB	158, 102, 234
RGB Percent	62%, 40%, 92%
CMY	0.3804, 0.6000, 0.0824
CMYK	0.32, 0.56, 0.00, 0.08
HSL	265°, 76%, 66%
HSV	265°, 56%, 92%
XYZ	33.7032, 22.7124, 80.4495
YIQ	133.7920, -8.9960, 52.9240

Conversions

Conversions Part 2

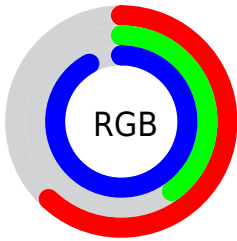
Format	Color
R_{YB}	158, 102, 234
Decimal	10381034
CIE _{Lab}	54.77, 48.84, -58.78
CIE _{LCh}	55, 76.422, 309.720
Yxy	22.7124, 0.2463, 0.1659
Android (android.graphics.Color)	4288571114 (0xFF9E66EA)
YUV	133.7920, 49.4025, 21.2304
Hunter-Lab	47.6575, 42.8338, -66.7257

Details

The XYZ color **33.7032, 22.7124, 80.4495** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **50.1815, 69.2703, 23.2967**, and the grayscale version is **22.4116, 23.5787, 25.6773**.

A 20% lighter version of the original color is **58.0902, 45.2616, 100.2824**, and **14.4865, 8.3087, 42.4352** is the 20% darker color. If you saturate the color by 10%, you get **29.2133, 17.4525, 79.6713**, and if you desaturate by 10%, it is **39.1345, 29.4214, 81.4586**.

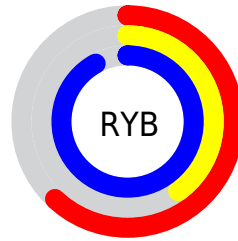
Distribution



Red (62%)

Green (40%)

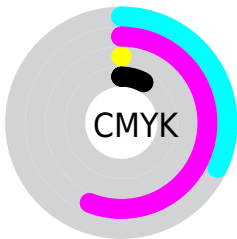
Blue (92%)



Red (62%)

Yellow (40%)

Blue (92%)

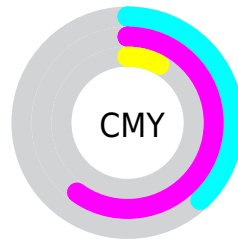


Cyan (32%)

Magenta (56%)

Yellow (0%)

Black (8%)



Cyan (38%)

Magenta (60%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7032, 22.7124, 80.4495 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 33.7032, 22.7124, 80.4495 by changing the saturation by 10% instead.

■ 33.7032, 22.7124,
80.4495

■ 33.7032, 22.7124,
80.4495

310.4159,
266.2444, 516.1930

■ 22.8275, 14.3813,
59.5600

■ 64.8192, 47.9207,
135.8146

■ 14.5862, 8.3863,
42.6411

■ 85.7902, 65.5666,
171.1273

■ 8.6139, 4.3431,
29.2743

■ 110.8571, 87.0863,
212.0848

■ 4.5453, 1.8673,
19.0411

■ 140.3851,
112.8640, 259.1056

■ 2.0150, 0.5286,
11.5228

174.7396,
143.2844, 312.6083

■ 0.6424, 0.0000,
6.3011

214.2860,

■ 0.0000, 0.0000,

178.7316, 373.0114

2.9573

259.3896,
219.5901, 440.7335

■ 0.0000, 0.0000,
1.0729

■ 0.0000, 0.0000,
0.0000

■ 33.7032, 22.7124,
80.4495

■ 33.7032, 22.7124,
80.4495

■ 29.2133, 17.4525,
79.6713

■ 39.1345, 29.4214,
81.4586

■ 25.5963, 13.5221,
79.1033

■ 45.5627, 37.6809,
82.7141

■ 22.7776, 10.7856,
78.7237

■ 53.0423, 47.5859,
84.2317

■ 20.6646, 9.0728,
78.5044

■ 61.6224, 59.2226,
86.0256

■ 20.0271, 8.6087,
78.4485

■ 71.3491, 72.6715,
88.1089

■ 82.2656, 88.0075,
90.4937

■ 90.8689, 98.2141,
92.0103

■ 91.8514, 98.7205,
92.0562

Harmonies

Analogous

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



24.4440, 22.7124, 104.6133



33.7032, 22.7124, 80.4495



40.6615, 22.7124, 44.5838

Triad

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



33.7032, 22.7124, 80.4495



27.7132, 22.7124, 1.7363



9.2200, 22.7124, 33.4330

Complementary

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



33.7032, 22.7124, 80.4495



50.1815, 69.2703, 23.2967

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.



9.6653, 22.7124, 11.8681



33.7032, 22.7124, 80.4495



18.9626, 22.7124, 1.3862

Square

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



33.7032, 22.7124, 80.4495



36.6254, 22.7124, 5.3360



12.7911, 22.7124, 3.4428



11.3586, 22.7124, 67.8900

Rectangle

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



33.7032, 22.7124, 80.4495



42.2145, 22.7124, 24.9580



12.7911, 22.7124, 3.4428



9.0887, 22.7124, 24.5033

Sweetspot

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



33.7042, 22.7132, 80.4500



74.1525, 70.9620, 104.3965



36.4515, 41.0063, 83.8362



15.4015, 14.5468, 22.2460



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.



33.7042, 22.7132, 80.4500



34.5866, 20.1794, 96.6798



50.0347, 31.1319, 81.2143



14.8370, 14.8612, 19.0088



11.3910, 4.9082, 44.0900



1.0023, 0.4410, 3.4672

Inverse Universe

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



46.7194, 30.2101, 45.4882



52.6124, 30.5885, 47.0813



38.6318, 63.3162, 22.7562



15.4290, 15.1995, 17.5444



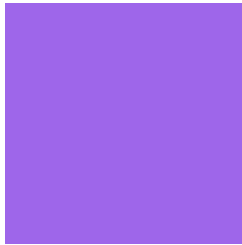
21.5786, 10.8341, 14.1143



1.7424, 0.8699, 1.3608

Previews

White Background



This preview shows how the XYZ color 33.7032, 22.7124, 80.4495 looks on a white background.

Color Contrast Check

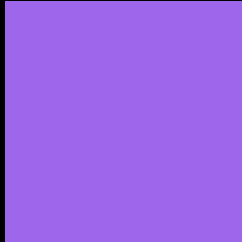
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7032, 22.7124, 80.4495 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 33.7032, 22.7124, 80.4495

Background



This preview shows how black text looks on a background with the XYZ color 33.7032, 22.7124, 80.4495.



This preview shows how white text looks on a background with the XYZ color 33.7032, 22.7124,

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

33.7032, 22.7124, 80.4495

Protanopia

27.1607, 23.1830, 97.6510

Deuteranopia

23.9124, 23.1608, 76.6089



Tritanopia

22.9541, 22.7623, 27.2285

Trichromacy



Original Color

33.7032, 22.7124, 80.4495



Protanomaly

27.6806, 21.9476, 90.7731



Deuteranomaly

25.6561, 21.9075, 77.7393



Tritanomaly

25.9937, 22.3218, 42.4737

Monochromacy



Original Color

33.7032, 22.7124, 80.4495



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

25.5429, 22.6610, 41.0580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7032, 22.7124, 80.4495 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(158, 102, 234)` looks like.

```
.text, #text, p{  
    color:rgb(158, 102, 234)  
}
```

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(158, 102, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 102, 234) }
```

Border

The CSS property to change the border of an element to XYZ 33.7032, 22.7124, 80.4495 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(158, 102, 234) }
```


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

```
.border{ border-color:rgb(158, 102, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 102, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 102, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 102, 234);  
box-shadow:4px 4px 4px 4px rgb(158, 102,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7032, 22.7124, 80.4495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 102, 234) }
```

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

```
.background{ background-color: rgb(158,  
102, 234) }
```

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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