

Converting Colors

XYZ(32.1312, 21.0747, 66.7247)

Have a look what the booklet for
XYZ(32.1312, 21.0747, 66.7247)
contains.

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Color

**XYZ(32.2048, 21.1272,
66.6706)**

Conversions

Conversions Part 1

Format	Color
Hex	A75ED7
RGB	167, 94, 215
RGB Percent	65%, 37%, 84%
CMY	0.3451, 0.6314, 0.1569
CMYK	0.22, 0.56, 0.00, 0.16
HSL	276°, 60%, 61%
HSV	276°, 56%, 84%
XYZ	32.2048, 21.1272, 66.6706
YIQ	129.6210, 4.6670, 53.1070

Conversions

Conversions Part 2

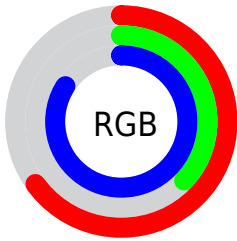
Format	Color
RYB	167, 94, 215
Decimal	10968791
CIELab	53.09, 50.78, -50.71
CIElCh	53, 71.768, 315.037
Yxy	21.1272, 0.2684, 0.1761
Android (android.graphics.Color)	4289158871 (0xFFA75ED7)
YUV	129.6210, 42.0918, 32.7814
Hunter-Lab	45.9643, 44.6280, -53.8243

Details

The XYZ color **32.2048, 21.1272, 66.6706** 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 **37.4767, 55.1603, 19.2622**, and the grayscale version is **20.9405, 22.0310, 23.9918**.

A 20% lighter version of the original color is **59.5351, 44.0950, 99.9811**, and **13.6415, 7.5386, 33.5370** is the 20% darker color. If you saturate the color by 10%, you get **28.8097, 16.9236, 66.0385**, and if you desaturate by 10%, it is **36.2528, 26.4584, 67.4866**.

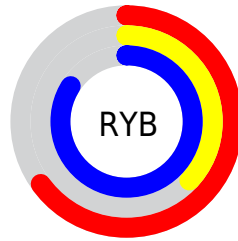
Distribution



Red (65%)

Green (37%)

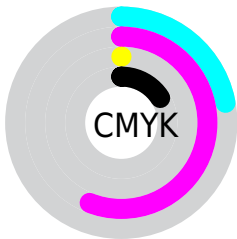
Blue (84%)



Red (65%)

Yellow (37%)

Blue (84%)

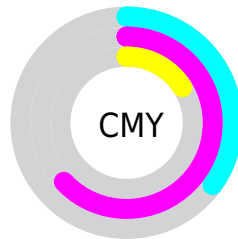


Cyan (22%)

Magenta (56%)

Yellow (0%)

Black (16%)



Cyan (35%)


Magenta (63%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2048, 21.1272, 66.6706 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 32.2048, 21.1272, 66.6706 by changing the saturation by 10% instead.

 32.2048, 21.1272,
66.6706


 32.2048, 21.1272,
66.6706


303.7799,
257.9537, 467.2409

 21.6743, 13.2170,
48.3571


 62.4950, 45.2991,
116.0844


 13.7330, 7.5782,
33.7477


 82.9855, 62.3297,
148.0218

 8.0157, 3.8262,
22.4241


 107.5266, 83.1691,
185.3376

 4.1569, 1.5768,
13.9676

 136.4837,
108.2019, 228.4503

 1.7913, 0.3419,
7.9596

170.2223,
137.8123, 277.7784

 0.5124, 0.0000,
3.9817

209.1076,

 0.0000, 0.0000,

172.3848, 333.7405

1.6153

253.5050,
212.3038, 396.7552

■ 0.0000, 0.0000,
0.3017

■ 0.0000, 0.0000,
0.0000

■ 32.2048, 21.1272,
66.6706

■ 32.2048, 21.1272,
66.6706

■ 28.8097, 16.9236,
66.0385

■ 36.2528, 26.4584,
67.4866

■ 26.0173, 13.7530,
65.5737

■ 40.9935, 32.9963,
68.4987

■ 23.7730, 11.5092,
65.2589

■ 46.4663, 40.8156,
69.7195

■ 22.0078, 10.0574,
65.0717

■ 52.7068, 49.9840,
71.1603

■ 21.4277, 9.6295,
65.0197

■ 59.7478, 60.5645,
72.8315

■ 67.6203, 72.6160,
74.7427

■ 76.3535, 86.1939,
76.9032

■ 82.3637, 94.1282,
78.1179

■ 85.2514, 95.6168,
78.2531

Harmonies

Analogous

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



24.0880, 21.1272, 91.0566



32.2048, 21.1272, 66.6706



37.6260, 21.1272, 35.4958

Triad

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



32.2048, 21.1272, 66.6706



24.0673, 21.1272, 1.6792



9.0698, 21.1272, 35.5659

Complementary

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



32.2048, 21.1272, 66.6706



37.4767, 55.1603, 19.2622

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.



9.0669, 21.1272, 13.8520



32.2048, 21.1272, 66.6706



16.5446, 21.1272, 1.6817

Square

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



32.2048, 21.1272, 66.6706



32.1864, 21.1272, 4.3435



11.4602, 21.1272, 4.3561



11.4694, 21.1272, 66.7486

Rectangle

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



32.2048, 21.1272, 66.6706



38.2928, 21.1272, 19.5428



11.4602, 21.1272, 4.3561



8.8126, 21.1272, 26.8514

Sweetspot

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



32.2057, 21.1280, 66.6711



76.7001, 72.2753, 104.5157



26.6152, 26.7520, 68.0513



16.0027, 14.8567, 22.2741



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.



32.2057, 21.1280, 66.6711



41.3391, 23.6604, 96.9958



42.7952, 26.7602, 59.3477



12.4541, 12.3755, 15.6698



12.9386, 5.8226, 38.8951



0.8724, 0.3986, 2.3503

Inverse Universe

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



36.9101, 24.4061, 28.3572



49.7633, 29.4489, 32.0786



31.5239, 52.0238, 22.0438



12.6253, 12.5016, 13.9669



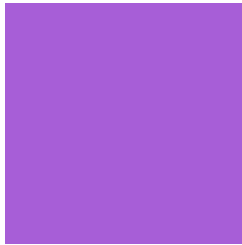
17.7984, 9.0557, 6.2426



1.1137, 0.5623, 0.5882

Previews

White Background



This preview shows how the XYZ color 32.2048, 21.1272, 66.6706 looks on a white background.

Color Contrast Check

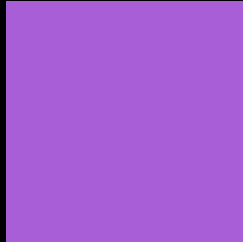
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.2048, 21.1272, 66.6706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

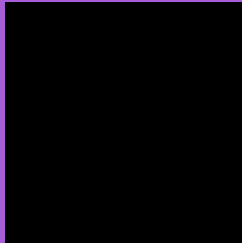
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.2048, 21.1272, 66.6706

Background



This preview shows how black text looks on a background with the XYZ color 32.2048, 21.1272, 66.6706.



This preview shows how white text looks on a background with the XYZ color 32.2048, 21.1272,

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

32.2048, 21.1272, 66.6706

Protanopia

25.1570, 21.5971, 88.4307

Deuteranopia

22.0848, 21.5289, 62.6660



Tritanopia

23.0761, 20.9043, 22.5574

Trichromacy



Original Color

32.2048, 21.1272, 66.6706



Protanomaly

25.5392, 20.0682, 79.6183



Deuteranomaly

24.3099, 20.4451, 64.2931



Tritanomaly

25.5448, 20.5740, 34.9726

Monochromacy



Original Color

32.2048, 21.1272, 66.6706



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

24.1220, 21.1354, 36.5264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2048, 21.1272, 66.6706 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, 94, 215)` looks like.

```
.text, #text, p{  
    color:rgb(167, 94, 215)  
}
```

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, 94, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 94, 215) }
```

Border

The CSS property to change the border of an element to XYZ 32.2048, 21.1272, 66.6706 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, 94, 215) }
```


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

```
.border{ border-color:rgb(167, 94, 215) }
```

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

Here you see how a box with a 4 pixel rgb(167, 94, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 94, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 94, 215);  
box-shadow:4px 4px 4px 4px rgb(167, 94,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2048, 21.1272, 66.6706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 94, 215) }
```

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

```
.background{ background-color: rgb(167, 94,  
215) }
```

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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