

Converting Colors

XYZ(21.0258, 14.4067, 63.9597)

Have a look what the booklet for
XYZ(21.0258, 14.4067, 63.9597)
contains.

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Color

**XYZ(21.0372, 14.4123,
63.9604)**

Conversions

Conversions Part 1

Format	Color
Hex	6956D4
RGB	105, 86, 212
RGB Percent	41%, 34%, 83%
CMY	0.5882, 0.6627, 0.1686
CMYK	0.50, 0.59, 0.00, 0.17
HSL	249°, 59%, 58%
HSV	249°, 59%, 83%
XYZ	21.0372, 14.4123, 63.9604
YIQ	106.0450, -29.1220, 43.2140

Conversions

Conversions Part 2

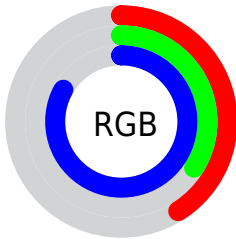
Format	Color
R _{YB}	105, 86, 212
Decimal	6903508
CIE Lab	44.82, 40.30, -62.64
CIE LCh	45, 74.485, 302.756
Yxy	14.4123, 0.2116, 0.1450
Android (android.graphics.Color)	4285093588 (0xFF6956D4)
YUV	106.0450, 52.2358, -0.9165
Hunter-Lab	37.9635, 32.4782, -73.3164

Details

The XYZ color **21.0372, 14.4123, 63.9604** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **47.2145, 59.0959, 17.7224**, and the grayscale version is **13.5797, 14.2869, 15.5585**.

A 20% lighter version of the original color is **42.0999, 32.8979, 98.7388**, and **7.6407, 4.3228, 31.8842** is the 20% darker color. If you saturate the color by 10%, you get **17.6934, 10.5376, 63.3891**, and if you desaturate by 10%, it is **25.3319, 19.5223, 64.7207**.

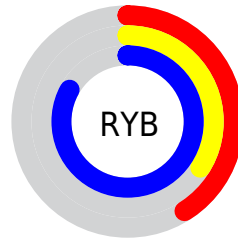
Distribution



Red (41%)

Green (34%)

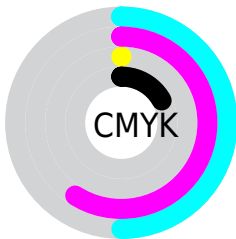
Blue (83%)



Red (41%)

Yellow (34%)

Blue (83%)

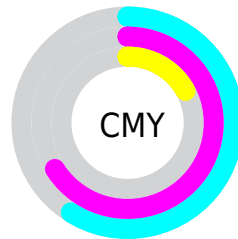


Cyan (50%)

Magenta (59%)

Yellow (0%)

Black (17%)



Cyan (59%)

Magenta (66%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0372, 14.4123, 63.9604 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 21.0372, 14.4123, 63.9604 by changing the saturation by 10% instead.

■ 21.0372, 14.4123,
63.9604

■ 21.0372, 14.4123,
63.9604

250.2041,
219.7809, 457.2502

■ 13.2638, 8.4080,
46.1726

■ 44.6402, 33.8188,
112.1528

■ 7.6887, 4.3571,
32.0324

■ 61.2006, 47.9898,
143.3945

■ 3.9465, 1.8753,
21.1212

■ 81.4207, 65.6518,
179.9580

■ 1.6719, 0.5334,
13.0205

■ 105.6658, 87.1892,
222.2617

■ 0.4386, 0.0000,
7.3118

■ 134.3014,
112.9865, 270.7243

■ 0.0000, 0.0000,
3.5765

167.6927,

■ 0.0000, 0.0000,

143.4279, 325.7642

1.3960

206.2052,
178.8979, 387.7999

■ 0.0000, 0.0000,
0.1386

■ 0.0000, 0.0000,
0.0000

■ 21.0372, 14.4123,
63.9604

■ 21.0372, 14.4123,
63.9604

■ 17.6934, 10.5376,
63.3891

■ 25.3319, 19.5223,
64.7207

■ 15.2239, 7.7905,
62.9890

■ 30.6415, 25.9602,
65.6835


■ 13.5435, 6.0465,
62.7409

■ 37.0270, 33.8112,
66.8623


■ 12.5238, 5.1028,
62.6125


■ 44.5439, 43.1529,
68.2693


 12.4787, 5.0602,
62.6067

 53.2437, 54.0575,
69.9156

 63.1748, 66.5921,
71.8116

 74.3829, 80.8202,
73.9671

 86.7194, 96.4177,
76.3275

 88.8837, 97.5335,
76.4288

Harmonies

Analogous

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



14.2676, 14.4123, 78.3980



21.0372, 14.4123, 63.9604



26.9228, 14.4123, 36.5183

Triad

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



21.0372, 14.4123, 63.9604



19.7691, 14.4123, 0.7727



5.0323, 14.4123, 17.3561

Complementary

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



21.0372, 14.4123, 63.9604



47.2145, 59.0959, 17.7224

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.



5.7189, 14.4123, 4.8225



21.0372, 14.4123, 63.9604



13.1446, 14.4123, 0.2010

Square

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



21.0372, 14.4123, 63.9604



26.0514, 14.4123, 3.6621



8.3022, 14.4123, 1.0243



6.0383, 14.4123, 41.6308

Rectangle

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



21.0372, 14.4123, 63.9604



28.8534, 14.4123, 20.2981



8.3022, 14.4123, 1.0243



5.0733, 14.4123, 11.8423

Sweetspot

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



21.0379, 14.4127, 63.9608



69.2008, 67.4725, 103.9840



34.8137, 44.9163, 69.1225



14.0400, 13.4786, 22.1116



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.



21.0379, 14.4127, 63.9608



25.8913, 14.8925, 96.1177



31.3388, 19.7231, 64.4429



11.9152, 12.0977, 15.6446



7.7565, 3.1512, 38.6526



0.5243, 0.2192, 2.3340

Inverse Universe

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



40.1045, 24.5028, 53.0652



57.6462, 31.7352, 76.2617



34.4447, 52.5129, 17.1248



12.8688, 12.5990, 15.2492



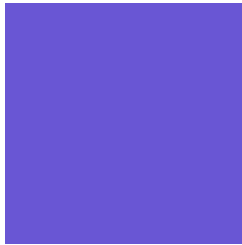
21.8789, 10.6879, 27.7303



1.3420, 0.6536, 1.7902

Previews

White Background



This preview shows how the XYZ color 21.0372, 14.4123, 63.9604 looks on a white background.

Color Contrast Check

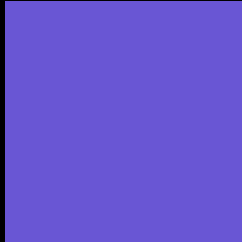
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0372, 14.4123, 63.9604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

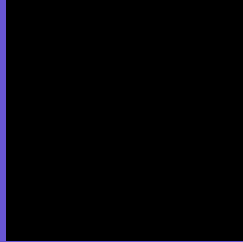
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.0372, 14.4123, 63.9604

Background



This preview shows how black text looks on a background with the XYZ color 21.0372, 14.4123, 63.9604.



This preview shows how white text looks on a background with the XYZ color 21.0372, 14.4123,

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

21.0372, 14.4123, 63.9604

Protanopia

17.2758, 14.5125, 67.5363

Deuteranopia

14.4397, 14.3560, 49.5869



Tritanopia

12.1352, 14.3027, 19.8904

Trichromacy



Original Color

21.0372, 14.4123, 63.9604



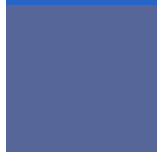
Protanomaly

17.2479, 13.6841, 66.0222



Deuteranomaly

15.4345, 13.5576, 54.6267



Tritanomaly

14.4316, 13.8289, 32.0456

Monochromacy



Original Color

21.0372, 14.4123, 63.9604



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

15.5165, 14.0322, 28.6787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0372, 14.4123, 63.9604 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(105, 86, 212)` looks like.

```
.text, #text, p{  
    color:rgb(105, 86, 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(105, 86, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 86, 212) }
```

Border

The CSS property to change the border of an element to XYZ 21.0372, 14.4123, 63.9604 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(105, 86, 212) }
```


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

```
.border{ border-color:rgb(105, 86, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 86, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 86, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 86, 212);  
box-shadow:4px 4px 4px 4px rgb(105, 86,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0372, 14.4123, 63.9604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 86, 212) }
```

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

```
.background{ background-color: rgb(105, 86,  
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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