

Converting Colors

XYZ(24.8370, 21.4737, 71.2419)

Have a look what the booklet for
XYZ(24.8370, 21.4737, 71.2419)
contains.

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Color

**XYZ(24.8183, 21.4366,
71.2362)**

Conversions

Conversions Part 1

Format	Color
Hex	6179DD
RGB	97, 121, 221
RGB Percent	38%, 47%, 87%
CMY	0.6196, 0.5255, 0.1333
CMYK	0.56, 0.45, 0.00, 0.13
HSL	228°, 65%, 62%
HSV	228°, 56%, 87%
XYZ	24.8183, 21.4366, 71.2362
YIQ	125.2240, -46.4040, 26.0120

Conversions

Conversions Part 2

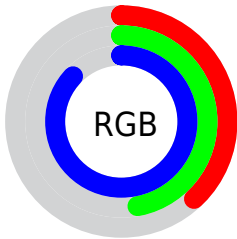
Format	Color
R _Y B	97, 117, 221
Decimal	6388189
CIE Lab	53.42, 20.34, -53.93
CIE LCh	53, 57.636, 290.665
Yxy	21.4366, 0.2112, 0.1825
Android (android.graphics.Color)	4284578269 (0xFF6179DD)
YUV	125.2240, 47.2176, -24.7524
Hunter-Lab	46.2997, 14.6580, -58.8132

Details

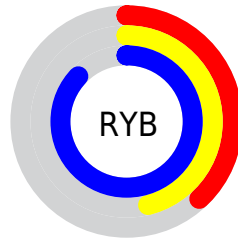
The XYZ color **24.8183, 21.4366, 71.2362** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **51.9445, 56.1705, 19.4150**, and the grayscale version is **19.4264, 20.4381, 22.2571**.

A 20% lighter version of the original color is **46.7039, 44.1751, 100.6728**, and **9.6530, 7.7286, 36.5803** is the 20% darker color. If you saturate the color by 10%, you get **20.8135, 16.4485, 70.4849**, and if you desaturate by 10%, it is **29.8808, 27.5645, 72.1526**.

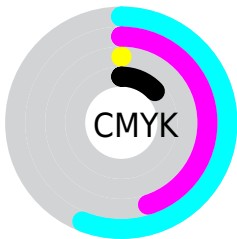
Distribution



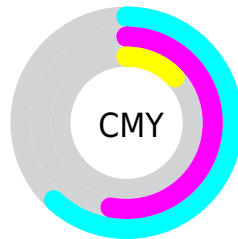
- Red (38%)
- Green (47%)
- Blue (87%)



- Red (38%)
- Yellow (46%)
- Blue (87%)



- Cyan (56%)
- Magenta (45%)
- Yellow (0%)
- Black (13%)



- Cyan (62%)
- Magenta (53%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8183, 21.4366, 71.2362 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 24.8183, 21.4366, 71.2362 by changing the saturation by 10% instead.

■ 24.8183, 21.4366,
71.2362

■ 24.8183, 21.4366,
71.2362

269.2962,
259.5898, 483.7846

■ 16.0697, 13.4435,
52.0520

■ 50.8073, 45.8130,
122.6676

■ 9.6647, 7.7347,
36.6640

■ 68.7785, 62.9652,
155.7518

■ 5.2378, 3.9256,
24.6537

■ 90.5546, 83.9391,
194.3064

■ 2.4236, 1.6321,
15.6026

■ 116.5009,
109.1193, 238.7500

■ 0.8569, 0.3791,
9.0921

146.9829,
138.8900, 289.5011

■ 0.0000, 0.0000,
4.7036

182.3659,

■ 0.0000, 0.0000,

173.6357, 346.9782

2.0188

223.0152,
213.7409, 411.5998

■ 0.0000, 0.0000,
0.5668

■ 0.0000, 0.0000,
0.0000

■ 24.8183, 21.4366,
71.2362

■ 24.8183, 21.4366,
71.2362

■ 20.8135, 16.4485,
70.4849

■ 29.8808, 27.5645,
72.1526

■ 17.7858, 12.5251,
69.8872

■ 36.0684, 34.8963,
73.2417

■ 15.6464, 9.5850,
69.4325

■ 43.4456, 43.4940,
74.5124

■ 14.2871, 7.5323,
69.1079

■ 52.0714, 53.4142,
75.9726

■ 13.9067, 6.9314,
69.0120

■ 62.0009, 64.7104,
77.6296

■ 73.2855, 77.4330,
79.4905

■ 85.9742, 91.6296,
81.5620

■ 90.0512, 98.0005,
82.5768

Harmonies

Analogous

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



18.5242, 21.4366, 74.9228



24.8183, 21.4366, 71.2362



30.9045, 21.4366, 51.8990

Triad

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



24.8183, 21.4366, 71.2362



28.7853, 21.4366, 5.7691



10.8258, 21.4366, 18.2876

Complementary

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



24.8183, 21.4366, 71.2362



51.9445, 56.1705, 19.4150

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.



12.5582, 21.4366, 7.8284



24.8183, 21.4366, 71.2362



22.3448, 21.4366, 3.3748

Square

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



24.8183, 21.4366, 71.2362



33.4947, 21.4366, 13.3495



16.4962, 21.4366, 3.8720



11.2252, 21.4366, 37.3759

Rectangle

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



24.8183, 21.4366, 71.2362



33.6250, 21.4366, 36.3787



16.4962, 21.4366, 3.8720



11.1626, 21.4366, 13.8625

Sweetspot

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



24.8192, 21.4373, 71.2367



70.7040, 72.3719, 104.8504



40.7738, 58.2497, 61.4393



14.5938, 14.8719, 22.3513



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.



24.8192, 21.4373, 71.2367



28.1057, 21.8839, 97.3504



27.1907, 18.8562, 70.6136



12.5416, 13.0230, 16.5048



8.1410, 4.1515, 40.1106



0.5876, 0.3893, 2.6186

Inverse Universe

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



37.5455, 25.3033, 20.9948



47.6454, 28.9133, 19.9648



47.7344, 62.7424, 20.9054



13.1585, 13.0925, 14.0960



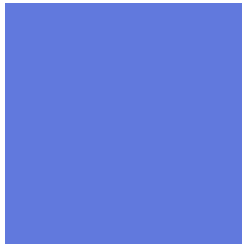
17.6045, 9.0429, 2.2976



1.1709, 0.5980, 0.3088

Previews

White Background



This preview shows how the XYZ color 24.8183, 21.4366, 71.2362 looks on a white background.

Color Contrast Check

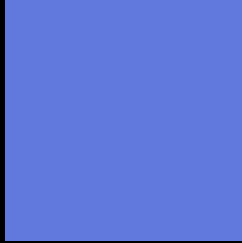
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8183, 21.4366, 71.2362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

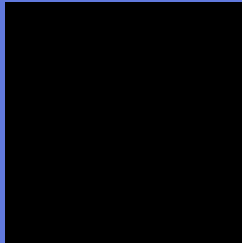
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.8183, 21.4366, 71.2362

Background



This preview shows how black text looks on a background with the XYZ color 24.8183, 21.4366, 71.2362.



This preview shows how white text looks on a background with the XYZ color 24.8183, 21.4366,

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

24.8183, 21.4366, 71.2362

Protanopia

24.0555, 21.5465, 73.4120

Deuteranopia

22.2673, 21.6557, 70.0242



Tritanopia

16.8247, 21.3265, 31.6634

Trichromacy



Original Color

24.8183, 21.4366, 71.2362

Protanomaly

24.3327, 21.5199, 72.6833

Deuteranomaly

22.9777, 21.4286, 70.6352

Tritanomaly

19.0786, 20.9900, 43.6034

Monochromacy



Original Color

24.8183, 21.4366, 71.2362

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.6230, 20.5982, 36.1466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8183, 21.4366, 71.2362 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(97, 121, 221)` looks like.

```
.text, #text, p{  
    color:rgb(97, 121, 221)  
}
```

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(97, 121, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 121, 221) }
```

Border

The CSS property to change the border of an element to XYZ 24.8183, 21.4366, 71.2362 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(97, 121, 221) }
```


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

```
.border{ border-color:rgb(97, 121, 221) }
```

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

Here you see how a box with a 4 pixel rgb(97, 121, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 121, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 121, 221);  
box-shadow:4px 4px 4px 4px rgb(97, 121,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8183, 21.4366, 71.2362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 121, 221) }
```

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

```
.background{ background-color: rgb(97, 121,  
221) }
```

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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