

Converting Colors

XYZ(21.4197, 9.8769, 75.6478)

Have a look what the booklet for
XYZ(21.4197, 9.8769, 75.6478)
contains.

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Color

**XYZ(21.4196, 9.8771,
75.6405)**

Conversions

Conversions Part 1

Format	Color
Hex	7118E6
RGB	113, 24, 230
RGB Percent	44%, 9%, 90%
CMY	0.5568, 0.9059, 0.0980
CMYK	0.51, 0.90, 0.00, 0.10
HSL	266°, 81%, 50%
HSV	266°, 90%, 90%
XYZ	21.4196, 9.8771, 75.6405
YIQ	74.0950, -13.0820, 82.9340

Conversions

Conversions Part 2

Format	Color
R _Y B	113, 24, 230
Decimal	7411942
CIE Lab	37.62, 73.15, -84.68
CIE LCh	38, 111.899, 310.820
Yxy	9.8771, 0.2003, 0.0924
Android (android.graphics.Color)	4285602022 (0xFF7118E6)
YUV	74.0950, 76.8612, 34.1197
Hunter-Lab	31.4279, 66.6576, -120.6996

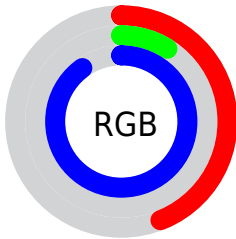
Details

The XYZ color **21.4196, 9.8771, 75.6405** is a dark color, and the websafe version is hex **6600CC**.

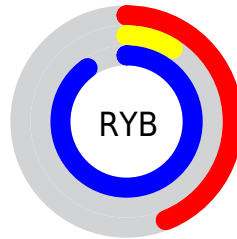
The color can be described as dark washed purple. A complement of this color would be **39.4445, 62.3216, 10.8142**, and the grayscale version is **6.3956, 6.7287, 7.3275**.

A 20% lighter version of the original color is **39.1374, 23.1503, 97.0134**, and **8.4179, 3.4682, 39.7609** is the 20% darker color. If you saturate the color by 10%, you get **19.5430, 8.4409, 75.4625**, and if you desaturate by 10%, it is **23.9135, 12.1866, 75.9551**.

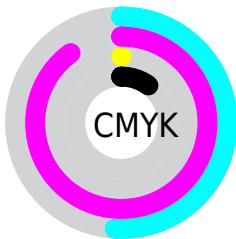
Distribution



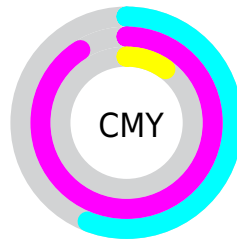
- Red (44%)
- Green (9%)
- Blue (90%)



- Red (44%)
- Yellow (9%)
- Blue (90%)



- Cyan (51%)
- Magenta (90%)
- Yellow (0%)
- Black (10%)





- Cyan (56%)
- Magenta (91%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4196, 9.8771, 75.6405 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 21.4196, 9.8771, 75.6405 by changing the saturation by 10% instead.


 21.4196, 9.8771,
75.6405


 21.4196, 9.8771,
75.6405


252.1898,
189.7926, 499.4302


 13.5453, 5.3175,
55.6329


 45.2709, 25.5641,
128.9740

 7.8847, 2.4348,
39.5066


 61.9785, 37.4603,
163.1370


 4.0724, 0.8437,
26.8432


 82.3613, 52.5709,
202.8556

 1.7432, 0.0000,
17.2241

 106.7846, 71.2802,
248.5482

 0.4831, 0.0000,
10.2308

 135.6137, 93.9726,
300.6334

 0.0000, 0.0000,
5.4446

 169.2141,

 0.0000, 0.0000,

121.0326, 359.5298

2.4472

207.9510,
152.8444, 425.6559

■ 0.0000, 0.0000,
0.8120

■ 0.0000, 0.0000,
0.0000

■ 21.4196, 9.8771,
75.6405

■ 21.4196, 9.8771,
75.6405

■ 19.5430, 8.4409,
75.4625

■ 23.9135, 12.1866,
75.9551

■ 19.4700, 8.3872,
75.4560

■ 27.1420, 15.5930,
76.4425

■ 31.1818, 20.2349,
77.1255

■ 36.0978, 26.2294,
78.0235

■ 41.9477, 33.6794,
79.1531

■ 48.7836, 42.6776,
80.5297

■ 56.6538, 53.3088,
82.1669

■ 65.6027, 65.6514,
84.0776

■ 75.6724, 79.7789,
86.2738

Harmonies

Analogous

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



12.1873, 9.8771, 112.7818



21.4196, 9.8771, 75.6405



29.0530, 9.8771, 29.3620

Triad

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



21.4196, 9.8771, 75.6405



14.6179, 9.8771, 0.0000



1.3543, 9.8771, 19.8771

Complementary

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



21.4196, 9.8771, 75.6405



39.4445, 62.3216, 10.8142

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.



1.5008, 9.8771, 2.3504



21.4196, 9.8771, 75.6405



7.0538, 9.8771, 0.0000

Square

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



21.4196, 9.8771, 75.6405



23.9491, 9.8771, 0.0000



2.9979, 9.8771, 0.0000



2.3880, 9.8771, 61.8049

Rectangle

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



21.4196, 9.8771, 75.6405



30.6871, 9.8771, 10.2052



2.9979, 9.8771, 0.0000



1.2890, 9.8771, 11.3231

Sweetspot

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



21.4203, 9.8773, 75.6408



63.9295, 56.9845, 102.2374



24.6578, 25.9038, 78.5636



12.9946, 11.2761, 21.7416



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.



21.4203, 9.8773, 75.6408



24.5029, 10.5466, 95.3520



42.0018, 20.4875, 76.6040



14.1705, 14.1901, 18.1364



11.1569, 4.8175, 42.7250



0.9292, 0.4100, 3.1621

Inverse Universe

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



37.7667, 19.3989, 26.9491



46.3369, 23.2988, 28.7701



29.3827, 57.1346, 10.3433



14.7182, 14.5045, 16.7164



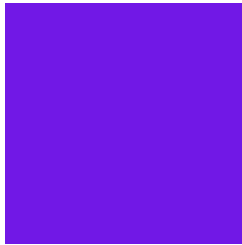
20.8424, 10.4712, 13.3308



1.5866, 0.7923, 1.2294

Previews

White Background



This preview shows how the XYZ color 21.4196, 9.8771, 75.6405 looks on a white background.

Color Contrast Check

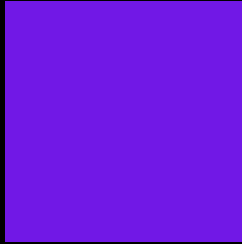
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 21.4196, 9.8771, 75.6405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

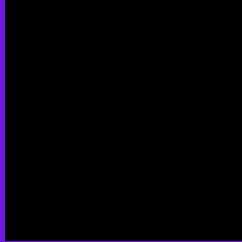
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.4196, 9.8771, 75.6405

Background



This preview shows how black text looks on a background with the XYZ color 21.4196, 9.8771, 75.6405.



This preview shows how white text looks on a background with the XYZ color 21.4196, 9.8771,

75.6405.

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

21.4196, 9.8771, 75.6405

Protanopia

11.5660, 9.9509, 44.4911

Deuteranopia

9.6599, 9.9874, 31.9905



Tritanopia

8.8949, 9.8789, 13.2424

Trichromacy



Original Color

21.4196, 9.8771, 75.6405



Protanomaly

12.8850, 8.1036, 54.3111



Deuteranomaly

11.3651, 7.8631, 45.1747



Tritanomaly

11.3934, 8.2447, 28.5947

Monochromacy



Original Color

21.4196, 9.8771, 75.6405



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

9.5354, 6.5417, 22.2328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4196, 9.8771, 75.6405 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(113, 24, 230)` looks like.

```
.text, #text, p{  
    color:rgb(113, 24, 230)  
}
```

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(113, 24, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 24, 230) }
```

Border

The CSS property to change the border of an element to XYZ 21.4196, 9.8771, 75.6405 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(113, 24, 230) }
```


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

```
.border{ border-color:rgb(113, 24, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 24, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 24, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 24, 230);  
box-shadow:4px 4px 4px 4px rgb(113, 24,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4196, 9.8771, 75.6405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 24, 230) }
```

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

```
.background{ background-color: rgb(113, 24,  
230) }
```

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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