

Converting Colors

XYZ(6.7809, 4.3977, 20.2301)

Have a look what the booklet for
XYZ(6.7809, 4.3977, 20.2301)
contains.

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Color

**XYZ(6.7809, 4.3977,
20.2301)**

Conversions

Conversions Part 1

Format	Color
Hex	402C7E
RGB	64, 44, 126
RGB Percent	25%, 17%, 49%
CMY	0.7490, 0.8274, 0.5059
CMYK	0.49, 0.65, 0.00, 0.51
HSL	255°, 48%, 33%
HSV	255°, 65%, 49%
XYZ	6.7809, 4.3977, 20.2301
YIQ	59.3280, -14.4020, 29.7420

Conversions

Conversions Part 2

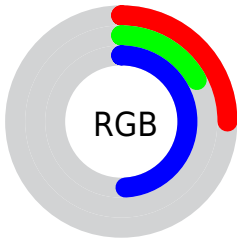
Format	Color
R _Y B	64, 44, 126
Decimal	4205694
CIE Lab	24.94, 30.89, -43.53
CIE LCh	25, 53.374, 305.358
Yxy	4.3977, 0.2159, 0.1400
Android (android.graphics.Color)	4282395774 (0xFF402C7E)
YUV	59.3280, 32.8693, 4.0973
Hunter-Lab	20.9707, 21.0195, -42.5166

Details

The XYZ color **6.7809, 4.3977, 20.2301** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **13.8592, 18.1677, 5.1592**, and the grayscale version is **4.1599, 4.3765, 4.7660**.

A 20% lighter version of the original color is **19.2139, 14.5188, 44.4375**, and **1.3546, 0.5476, 6.8718** is the 20% darker color. If you saturate the color by 10%, you get **5.8134, 3.3049, 20.0703**, and if you desaturate by 10%, it is **7.9973, 5.8305, 20.4426**.

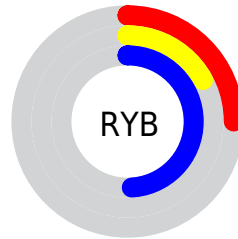
Distribution



Red (25%)

Green (17%)

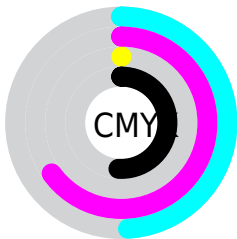
Blue (49%)



Red (25%)

Yellow (17%)

Blue (49%)

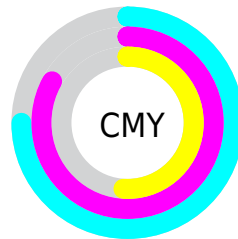


Cyan (49%)

Magenta (65%)

Yellow (0%)

Black (51%)



Cyan (75%)

Magenta (83%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.7809, 4.3977, 20.2301 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 6.7809, 4.3977, 20.2301 by changing the saturation by 10% instead.

6.7809, 4.3977,
20.2301

6.7809, 4.3977,
20.2301

160.4153,
143.8440, 265.8034

3.3706, 1.8984,
12.3767

19.2402, 14.5023,
44.6667

1.3526, 0.5474,
6.8751

29.0198, 22.8765,
62.0869

0.2221, 0.0000,
3.3069

41.6533, 33.9777,
83.5331

0.0000, 0.0000,
1.2534

57.5059, 48.1905,
109.4239

0.0000, 0.0000,
0.0231

76.9431, 65.8991,
140.1778

0.0000, 0.0000,
0.0000

100.3301, 87.4879,

176.2133

128.0324,
113.3414, 217.9490

6.7809, 4.3977,
20.2301

6.7809, 4.3977,
20.2301

5.8134, 3.3049,
20.0703

7.9973, 5.8305,
20.4426

5.0754, 2.5221,
19.9581

9.4786, 7.6289,
20.7117

4.5408, 2.0057,
19.8866

11.2402, 9.8163,
21.0411

4.3230, 1.7936,
19.8571

13.2961, 12.4143,
21.4342

15.6594, 15.4427,
21.8942

■ 18.3423, 18.9201,
22.4240

■ 21.3563, 22.8638,
23.0263

■ 24.7123, 27.2904,
23.7039

■ 28.4209, 32.2157,
24.4591

Harmonies

Analogous

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



4.5441, 4.3977, 25.7840



6.7809, 4.3977, 20.2301



8.6611, 4.3977, 10.8942

Triad

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



6.7809, 4.3977, 20.2301



5.9688, 4.3977, 0.0000



1.4269, 4.3977, 5.8758

Complementary

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



6.7809, 4.3977, 20.2301



13.8592, 18.1677, 5.1592

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.



1.5936, 4.3977, 1.5375



6.7809, 4.3977, 20.2301



3.8357, 4.3977, 0.0000

Square

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



6.7809, 4.3977, 20.2301



8.0982, 4.3977, 0.8475



2.3470, 4.3977, 0.0000



1.7872, 4.3977, 14.2242

Rectangle

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



6.7809, 4.3977, 20.2301



9.2136, 4.3977, 5.7222



2.3470, 4.3977, 0.0000



1.4249, 4.3977, 3.9621

Sweetspot

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



6.7811, 4.3978, 20.2302



25.2539, 24.2141, 38.0871



10.0485, 12.5295, 21.6276



5.5319, 5.2361, 8.6222



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



6.7811, 4.3978, 20.2302



9.5684, 5.0992, 35.2243



10.3911, 6.2588, 20.3992



4.1995, 4.2585, 5.4139



4.4315, 1.8382, 20.3712



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.1064, 7.2776, 14.4019



19.9483, 10.7336, 22.9038



10.1533, 16.2573, 4.9858



4.4547, 4.3950, 5.1991



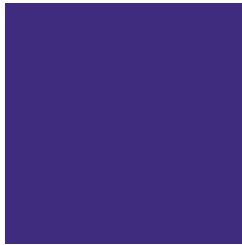
10.9568, 5.4024, 11.6283



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 6.7809, 4.3977, 20.2301 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 6.7809, 4.3977, 20.2301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

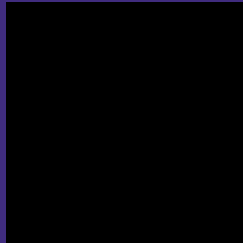
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 6.7809, 4.3977, 20.2301

Background



This preview shows how black text looks on a background with the XYZ color 6.7809, 4.3977, 20.2301.



This preview shows how white text looks on a background with the XYZ color 6.7809, 4.3977,

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

6.7809, 4.3977, 20.2301

Protanopia

4.9760, 4.3314, 18.9861

Deuteranopia

4.2185, 4.3574, 13.9833



Tritanopia

3.9080, 4.4548, 5.9641

Trichromacy



Original Color

6.7809, 4.3977, 20.2301

Protanomaly

5.1565, 4.0682, 19.2524

Deuteranomaly

4.7002, 4.1068, 16.1677

Tritanomaly

4.5958, 4.1938, 9.7998

Monochromacy



Original Color

6.7809, 4.3977, 20.2301

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

4.8050, 4.2550, 8.7517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.7809, 4.3977, 20.2301 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(64, 44, 126)` looks like.

```
.text, #text, p{  
    color:rgb(64, 44, 126)  
}
```

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(64, 44, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 44, 126) }
```

Border

The CSS property to change the border of an element to XYZ 6.7809, 4.3977, 20.2301 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(64, 44, 126) }
```


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

```
.border{ border-color:rgb(64, 44, 126) }
```

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

Here you see how a box with a 4 pixel rgb(64, 44, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 44, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 44, 126);  
box-shadow:4px 4px 4px 4px rgb(64, 44,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 6.7809, 4.3977, 20.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 44, 126) }
```

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

```
.background{ background-color: rgb(64, 44,  
126) }
```

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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