

Converting Colors

XYZ(21.4764, 20.9547, 33.5347)

Have a look what the booklet for
XYZ(21.4764, 20.9547, 33.5347)
contains.

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Color

**XYZ(21.3731, 20.8590,
33.4716)**

Conversions

Conversions Part 1

Format	Color
Hex	7D7B9A
RGB	125, 123, 154
RGB Percent	49%, 48%, 60%
CMY	0.5098, 0.5176, 0.3961
CMYK	0.19, 0.20, 0.00, 0.40
HSL	244°, 13%, 54%
HSV	244°, 20%, 60%
XYZ	21.3731, 20.8590, 33.4716
YIQ	127.1320, -8.7590, 10.0650

Conversions

Conversions Part 2

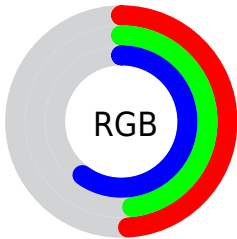
Format	Color
R _Y B	125, 123, 154
Decimal	8223642
CIE Lab	52.79, 7.52, -16.37
CIE LCh	53, 18.013, 294.680
Yxy	20.8590, 0.2823, 0.2755
Android (android.graphics.Color)	4286413722 (0xFF7D7B9A)
YUV	127.1320, 13.2459, -1.8698
Hunter-Lab	45.6717, 3.6078, -11.4820

Details

The XYZ color **21.3731, 20.8590, 33.4716** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.0805, 31.2173, 23.2854**, and the grayscale version is **20.1767, 21.2275, 23.1167**.

A 20% lighter version of the original color is **45.0752, 44.6790, 65.9227**, and **7.8775, 7.4133, 13.8477** is the 20% darker color. If you saturate the color by 10%, you get **17.6581, 16.3279, 32.7931**, and if you desaturate by 10%, it is **25.6950, 26.1502, 34.2654**.

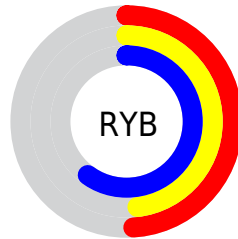
Distribution



Red (49%)

Green (48%)

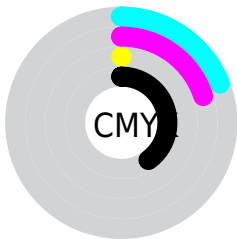
Blue (60%)



Red (49%)

Yellow (48%)

Blue (60%)

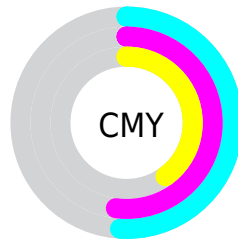


Cyan (19%)

Magenta (20%)

Yellow (0%)

Black (40%)



Cyan (51%)

Magenta (52%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3731, 20.8590, 33.4716 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 21.3731, 20.8590, 33.4716 by changing the saturation by 10% instead.

■ 21.3731, 20.8590,
33.4716

■ 21.3731, 20.8590,
33.4716

251.9491,
256.5282, 332.4664

■ 13.5110, 13.0210,
22.2139

■ 45.1943, 44.8528,
66.2356

■ 7.8608, 7.4430,
13.8143

■ 61.8841, 61.7773,
88.5790

■ 4.0570, 3.7407,
7.8544

■ 82.2471, 82.4994,
115.4546

■ 1.7345, 1.5296,
3.9155

106.6488,
107.4036, 147.2811

■ 0.4777, 0.3094,
1.5791

135.4545,
136.8741, 184.4770

■ 0.0000, 0.0000,
0.2758

169.0296,

■ 0.0000, 0.0000,

171.2955, 227.4608

0.0000

207.7393,
211.0521, 276.6511

■ 21.3731, 20.8590,
33.4716

■ 21.3731, 20.8590,
33.4716

■ 17.6581, 16.3279,
32.7931

■ 25.6950, 26.1502,
34.2654

■ 14.5210, 12.5195,
32.2234

■ 30.6474, 32.2314,
35.1782

■ 11.9334, 9.3973,
31.7571

■ 36.2547, 39.1341,
36.2151

■ 9.8634, 6.9202,
31.3881

■ 42.5396, 46.8874,
37.3803

■ 8.2762, 5.0432,
31.1095

■ 49.5239, 55.5188,
38.6782

■ 7.1325, 3.7152,
30.9134

■ 57.2280, 65.0546,
40.1128

■ 6.3868, 2.8765,
30.7908

■ 65.6718, 75.5201,
41.6878

■ 5.9571, 2.3972,
30.7210

■ 74.8743, 86.9396,
43.4070

■ 82.7107, 95.0502,
44.5594

Harmonies

Analogous

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



19.4927, 20.8590, 34.6516



21.3731, 20.8590, 33.4716



22.9225, 20.8590, 29.2350

Triad

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



21.3731, 20.8590, 33.4716



21.9890, 20.8590, 15.2719



16.4415, 20.8590, 21.7659

Complementary

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



21.3731, 20.8590, 33.4716



28.0805, 31.2173, 23.2854

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.



17.0215, 20.8590, 17.2393



21.3731, 20.8590, 33.4716



20.1628, 20.8590, 13.8882

Square

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



21.3731, 20.8590, 33.4716



23.2935, 20.8590, 18.6594



18.3551, 20.8590, 14.5472



16.7207, 20.8590, 27.3124

Rectangle

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



21.3731, 20.8590, 33.4716



23.5187, 20.8590, 25.5571



18.3551, 20.8590, 14.5472



16.5413, 20.8590, 20.0862

Sweetspot

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



21.3738, 20.8599, 33.4721



50.1421, 51.7553, 62.8833



25.3032, 29.1475, 34.8646



11.2305, 11.5686, 14.2114



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.3738, 20.8599, 33.4721



35.7562, 34.1439, 60.2422



23.7401, 22.0798, 33.5828



5.9195, 6.0444, 7.7837



4.8652, 1.9592, 25.0294



0.0813, 0.0337, 0.3746

Inverse Universe

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



26.0777, 23.3039, 32.8306



45.8481, 39.3885, 58.8143



25.4398, 29.8559, 23.1618



6.4440, 6.3168, 7.7184



14.9684, 7.2416, 22.1561



0.2282, 0.1100, 0.3547

Previews

White Background



This preview shows how the XYZ color 21.3731, 20.8590, 33.4716 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 21.3731, 20.8590, 33.4716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

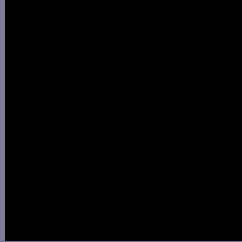
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.3731, 20.8590, 33.4716

Background



This preview shows how black text looks on a background with the XYZ color 21.3731, 20.8590, 33.4716.



This preview shows how white text looks on a background with the XYZ color 21.3731, 20.8590,

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

21.3731, 20.8590, 33.4716

Protanopia

20.8578, 20.9557, 33.9559

Deuteranopia

21.2279, 20.7841, 33.4648



Tritanopia

19.9308, 20.8369, 26.2640

Trichromacy



Original Color

21.3731, 20.8590, 33.4716

Protanomaly

21.0092, 20.8468, 33.9269

Deuteranomaly

21.2279, 20.7841, 33.4648

Tritanomaly

20.4599, 20.8614, 28.9349

Monochromacy



Original Color

21.3731, 20.8590, 33.4716

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.5804, 21.1635, 26.6672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3731, 20.8590, 33.4716 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(125, 123, 154)` looks like.

```
.text, #text, p{  
    color:rgb(125, 123, 154)  
}
```

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(125, 123, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 123, 154) }
```

Border

The CSS property to change the border of an element to XYZ 21.3731, 20.8590, 33.4716 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(125, 123, 154) }
```


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

```
.border{ border-color:rgb(125, 123, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 123, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 123, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 123, 154);  
box-shadow:4px 4px 4px 4px rgb(125, 123,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3731, 20.8590, 33.4716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 123, 154) }
```

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

```
.background{ background-color: rgb(125,  
123, 154) }
```

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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