

Converting Colors

XYZ(20.3169, 20.3383, 31.7962)

Have a look what the booklet for
XYZ(20.3169, 20.3383, 31.7962)
contains.

XYZ(20.3337, 20.3610, 31.7125)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.3337, 20.3610,
31.7125)**

Conversions

Conversions Part 1

Format	Color
Hex	787B96
RGB	120, 123, 150
RGB Percent	47%, 48%, 59%
CMY	0.5294, 0.5176, 0.4118
CMYK	0.20, 0.18, 0.00, 0.41
HSL	234°, 12%, 53%
HSV	234°, 20%, 59%
XYZ	20.3337, 20.3610, 31.7125
YIQ	125.1810, -10.4550, 7.7610

Conversions

Conversions Part 2

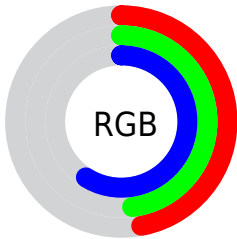
Format	Color
R_{YB}	120, 123, 150
Decimal	7895958
CIE _{Lab}	52.24, 4.89, -14.91
CIE _{LCh}	52, 15.693, 288.153
Yxy	20.3610, 0.2808, 0.2812
Android (android.graphics.Color)	4286086038 (0xFF787B96)
YUV	125.1810, 12.2358, -4.5437
Hunter-Lab	45.1232, 1.4713, -10.0827

Details

The XYZ color **20.3337, 20.3610, 31.7125** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.4017, 28.7075, 21.9194**, and the grayscale version is **19.5170, 20.5334, 22.3609**.

A 20% lighter version of the original color is **43.4626, 43.9038, 63.3103**, and **7.2994, 7.1380, 12.7974** is the 20% darker color. If you saturate the color by 10%, you get **16.8535, 16.2504, 31.1028**, and if you desaturate by 10%, it is **24.3721, 25.1032, 32.4153**.

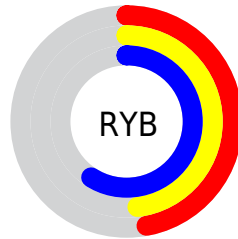
Distribution



Red (47%)

Green (48%)

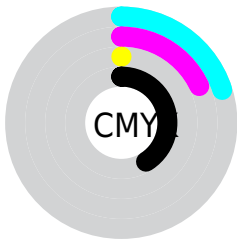
Blue (59%)



Red (47%)

Yellow (48%)

Blue (59%)

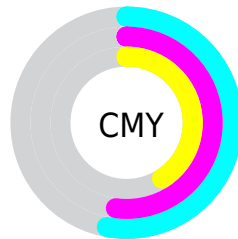


Cyan (20%)

Magenta (18%)

Yellow (0%)

Black (41%)



Cyan (53%)

Magenta (52%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3337, 20.3610, 31.7125 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 20.3337, 20.3610, 31.7125 by changing the saturation by 10% instead.

■ 20.3337, 20.3610,
31.7125

■ 20.3337, 20.3610,
31.7125

246.5152,
253.8628, 324.2598

■ 12.7475, 12.6577,
20.8790

■ 43.4756, 44.0216,
63.4528

■ 7.3307, 7.1933,
12.8452

■ 59.7621, 60.7477,
85.1966

■ 3.7179, 3.5833,
7.1926

■ 79.6794, 81.2502,
111.4143

■ 1.5438, 1.4433,
3.5026

103.5928,
105.9136, 142.5245

■ 0.3554, 0.2483,
1.3566

131.8677,
135.1221, 178.9455

■ 0.0000, 0.0000,
0.1075

164.8696,

■ 0.0000, 0.0000,

169.2602, 221.0961

0.0000

202.9636,
208.7123, 269.3946

■ 20.3337, 20.3610,
31.7125

■ 20.3337, 20.3610,
31.7125

■ 16.8535, 16.2504,
31.1028

■ 24.3721, 25.1032,
32.4153

■ 13.9049, 12.7422,
30.5811

■ 28.9897, 30.4994,
33.2135

■ 11.4623, 9.8089,
30.1436

■ 34.2088, 36.5742,
34.1110

■ 9.4971, 7.4196,
29.7860

■ 40.0501, 43.3500,
35.1110

■ 7.9777, 5.5406,
29.5034

■ 46.5332, 50.8482,
36.2166

■ 6.8687, 4.1345,
29.2905

■ 53.6767, 59.0893,
37.4308

■ 6.1295, 3.1584,
29.1410

■ 61.4986, 68.0931,
38.7564

■ 5.6760, 2.5439,
29.0463

■ 70.0163, 77.8784,
40.1962

■ 5.6760, 2.5439,
29.0463

■ 79.2456, 88.4632,
41.7529

Harmonies

Analogous

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



18.7236, 20.3610, 32.0343



20.3337, 20.3610, 31.7125



21.7528, 20.3610, 28.6300

Triad

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



20.3337, 20.3610, 31.7125



21.4934, 20.3610, 16.1963



16.4766, 20.3610, 20.3979

Complementary

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



20.3337, 20.3610, 31.7125



26.4017, 28.7075, 21.9194

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.



17.1356, 20.3610, 16.7625



20.3337, 20.3610, 31.7125



19.9954, 20.3610, 14.5717

Square

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



20.3337, 20.3610, 31.7125



22.4475, 20.3610, 19.5191



18.4034, 20.3610, 14.7635



16.5559, 20.3610, 25.0499

Rectangle

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



20.3337, 20.3610, 31.7125



22.3723, 20.3610, 25.6373



18.4034, 20.3610, 14.7635



16.6175, 20.3610, 19.0297

Sweetspot

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



20.3343, 20.3618, 31.7130



46.0499, 47.8576, 57.7316



23.8798, 27.8971, 31.5249



10.1045, 10.4880, 12.7767



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.3343, 20.3618, 31.7130



33.0182, 32.5532, 55.4644



21.6596, 20.5008, 31.6699



5.5434, 5.7208, 7.2818



4.7198, 2.1344, 24.0943



0.0670, 0.0445, 0.2980

Inverse Universe

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



22.8698, 21.3476, 21.6549



38.3381, 34.6651, 34.3509



24.8611, 28.6151, 21.9828



5.8230, 5.8243, 6.1740



10.5094, 5.4088, 0.8976



0.1333, 0.0681, 0.0354

Previews

White Background



This preview shows how the XYZ color 20.3337, 20.3610, 31.7125 looks on a white background.

Color Contrast Check

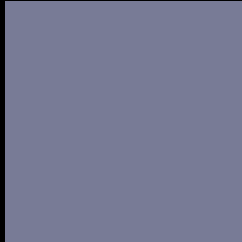
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3337, 20.3610, 31.7125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

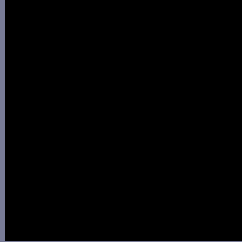
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3337, 20.3610, 31.7125

Background



This preview shows how black text looks on a background with the XYZ color 20.3337, 20.3610, 31.7125.



This preview shows how white text looks on a background with the XYZ color 20.3337, 20.3610,

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

20.3337, 20.3610, 31.7125

Protanopia

20.1957, 20.2899, 31.7061

Deuteranopia

20.7767, 20.4062, 31.6979



Tritanopia

19.1701, 20.4529, 25.8591

Trichromacy



Original Color

20.3337, 20.3610, 31.7125

Protanomaly

20.1957, 20.2899, 31.7061

Deuteranomaly

20.6329, 20.3320, 31.6912

Tritanomaly

19.5385, 20.4122, 27.7211

Monochromacy



Original Color

20.3337, 20.3610, 31.7125

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.6791, 20.3475, 25.4445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3337, 20.3610, 31.7125 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(120, 123, 150)` looks like.

```
.text, #text, p{  
    color:rgb(120, 123, 150)  
}
```

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(120, 123, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 123, 150) }
```

Border

The CSS property to change the border of an element to XYZ 20.3337, 20.3610, 31.7125 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(120, 123, 150) }
```


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

```
.border{ border-color:rgb(120, 123, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 123, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 123, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 123, 150);  
box-shadow:4px 4px 4px 4px rgb(120, 123,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3337, 20.3610, 31.7125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 123, 150) }
```

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

```
.background{ background-color: rgb(120,  
123, 150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor