

Converting Colors

XYZ(21.6238, 21.3603, 33.5551)

Have a look what the booklet for
XYZ(21.6238, 21.3603, 33.5551)
contains.

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Color

**XYZ(21.6238, 21.3603,
33.5551)**

Conversions

Conversions Part 1

Format	Color
Hex	7D7D9A
RGB	125, 125, 154
RGB Percent	49%, 49%, 60%
CMY	0.5098, 0.5098, 0.3961
CMYK	0.19, 0.19, 0.00, 0.40
HSL	240°, 13%, 55%
HSV	240°, 19%, 60%
XYZ	21.6238, 21.3603, 33.5551
YIQ	128.3060, -9.3090, 9.0190

Conversions

Conversions Part 2

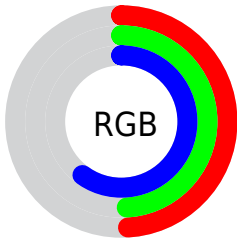
Format	Color
R _Y B	125, 125, 154
Decimal	8224154
CIE Lab	53.34, 6.35, -15.54
CIE LCh	53, 16.785, 292.226
Yxy	21.3603, 0.2825, 0.2791
Android (android.graphics.Color)	4286414234 (0xFF7D7D9A)
YUV	128.3060, 12.6671, -2.8994
Hunter-Lab	46.2172, 2.6353, -10.6943

Details

The XYZ color **21.6238, 21.3603, 33.5551** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.5839, 31.4619, 23.9688**, and the grayscale version is **20.5843, 21.6563, 23.5837**.

A 20% lighter version of the original color is **45.6657, 45.8598, 66.1195**, and **8.0131, 7.6847, 13.8929** is the 20% darker color. If you saturate the color by 10%, you get **17.7470, 16.6891, 32.8581**, and if you desaturate by 10%, it is **26.1528, 26.8175, 34.3701**.

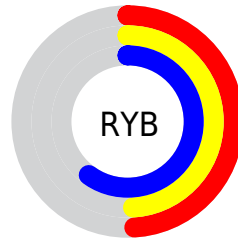
Distribution



Red (49%)

Green (49%)

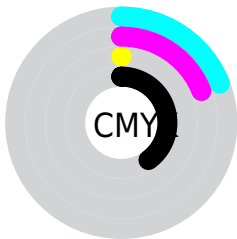
Blue (60%)



Red (49%)

Yellow (49%)

Blue (60%)

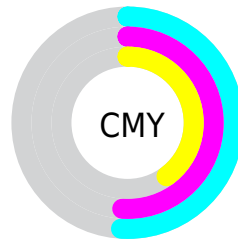


Cyan (19%)

Magenta (19%)

Yellow (0%)

Black (40%)



Cyan (51%)

Magenta (51%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6238, 21.3603, 33.5551 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 21.6238, 21.3603, 33.5551 by changing the saturation by 10% instead.

■ 21.6238, 21.3603,
33.5551

■ 21.6238, 21.3603,
33.5551

253.2448,
259.1871, 332.8521

■ 13.6958, 13.3876,
22.2774

■ 45.6069, 45.6864,
66.3672

■ 7.9897, 7.6960,
13.8606

■ 62.3928, 62.8086,
88.7387

■ 4.1401, 3.9011,
7.8862

■ 82.8619, 83.7495,
115.6452

■ 1.7817, 1.6184,
3.9355

107.3797,
108.8934, 147.5053

■ 0.5066, 0.3699,
1.5900

136.3115,
138.6247, 184.7375

■ 0.0000, 0.0000,
0.2837

170.0228,

■ 0.0000, 0.0000,

173.3278, 227.7603

0.0000

208.8787,
213.3872, 276.9923

■ 21.6238, 21.3603,
33.5551

■ 21.6238, 21.3603,
33.5551

■ 17.7470, 16.6891,
32.8581

■ 26.1528, 26.8175,
34.3701

■ 14.4905, 12.7652,
32.2724

■ 31.3600, 33.0917,
35.3067

■ 11.8227, 9.5507,
31.7925

■ 37.2723, 40.2156,
36.3701

■ 9.7085, 7.0032,
31.4123

■ 43.9148, 48.2192,
37.5649

■ 8.1090, 5.0759,
31.1246

■ 51.3110, 57.1310,
38.8952

■ 6.9803, 3.7159,
30.9215

■ 59.4837, 66.9784,
40.3652

■ 6.2712, 2.8615,
30.7940

■ 68.4546, 77.7875,
41.9787

■ 5.8750, 2.3840,
30.7227

■ 78.2444, 89.5834,
43.7396

■ 5.8329, 2.3333,
30.7151

■ 82.8328, 95.1131,
44.5651

Harmonies

Analogous

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



19.8432, 21.3603, 34.3761



21.6238, 21.3603, 33.5551



23.1277, 21.3603, 29.7888

Triad

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



21.6238, 21.3603, 33.5551



22.4704, 21.3603, 16.3423



17.0985, 21.3603, 21.9577

Complementary

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



21.6238, 21.3603, 33.5551



28.5839, 31.4619, 23.9688

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.



17.7170, 21.3603, 17.7586



21.6238, 21.3603, 33.5551



20.7685, 21.3603, 14.8396

Square

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



21.6238, 21.3603, 33.5551



23.6360, 21.3603, 19.7457



19.0358, 21.3603, 15.3173



17.2978, 21.3603, 27.1633

Rectangle

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



21.6238, 21.3603, 33.5551



23.7367, 21.3603, 26.3780



19.0358, 21.3603, 15.3173



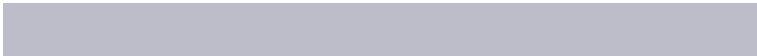
17.2163, 21.3603, 20.3938

Sweetspot

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



21.6245, 21.3612, 33.5556



49.9480, 51.6553, 62.8742



25.8060, 29.7886, 34.7512



11.1827, 11.5440, 14.2092



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.



21.6245, 21.3612, 33.5556



35.8767, 34.7005, 60.3433



23.8171, 22.4913, 33.6581



5.8845, 6.0264, 7.7820



4.7521, 1.9010, 25.0242



0.0710, 0.0284, 0.3741

Inverse Universe

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



24.3623, 23.0185, 22.5620



41.8756, 38.3320, 36.2542



26.0701, 30.1663, 23.8512



6.2088, 6.2227, 6.4798



10.8574, 5.5972, 0.5083



0.1623, 0.0837, 0.0076

Previews

White Background



This preview shows how the XYZ color 21.6238, 21.3603, 33.5551 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 21.6238, 21.3603, 33.5551 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 21.6238, 21.3603, 33.5551

Background



This preview shows how black text looks on a background with the XYZ color 21.6238, 21.3603, 33.5551.



This preview shows how white text looks on a background with the XYZ color 21.6238, 21.3603,

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

21.6238, 21.3603, 33.5551

Protanopia

21.2624, 21.3532, 34.0113

Deuteranopia

21.7705, 21.4359, 33.5620



Tritanopia

20.3327, 21.4109, 27.1058

Trichromacy



Original Color

21.6238, 21.3603, 33.5551

Protanomaly

21.4033, 21.4258, 34.0179

Deuteranomaly

21.7705, 21.4359, 33.5620

Tritanomaly

20.7918, 21.4033, 29.4210

Monochromacy



Original Color

21.6238, 21.3603, 33.5551

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.8571, 21.4969, 26.7169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6238, 21.3603, 33.5551 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, 125, 154)` looks like.

```
.text, #text, p{  
    color:rgb(125, 125, 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, 125, 154) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 21.6238, 21.3603, 33.5551 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, 125, 154) }
```


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

```
.border{ border-color:rgb(125, 125, 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, 125, 154)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 21.6238, 21.3603, 33.5551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(125,  
125, 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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