

Converting Colors

XYZ(21.4773, 20.8122, 33.0223)

Have a look what the booklet for
XYZ(21.4773, 20.8122, 33.0223)
contains.

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Color

**XYZ(21.4617, 20.7310,
33.0073)**

Conversions

Conversions Part 1

Format	Color
Hex	7F7A99
RGB	127, 122, 153
RGB Percent	50%, 48%, 60%
CMY	0.5020, 0.5216, 0.4000
CMYK	0.17, 0.20, 0.00, 0.40
HSL	250°, 13%, 54%
HSV	250°, 20%, 60%
XYZ	21.4617, 20.7310, 33.0073
YIQ	127.0290, -6.9710, 10.7010

Conversions

Conversions Part 2

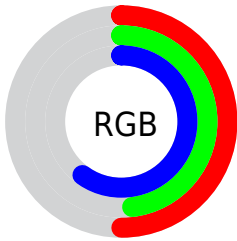
Format	Color
R_{YB}	127, 122, 153
Decimal	8354457
CIE _{Lab}	52.65, 8.55, -15.98
CIE _{LCh}	53, 18.127, 298.139
Yxy	20.7310, 0.2854, 0.2757
Android (android.graphics.Color)	4286544537 (0xFF7F7A99)
YUV	127.0290, 12.8037, -0.0254
Hunter-Lab	45.5313, 4.4582, -11.1096

Details

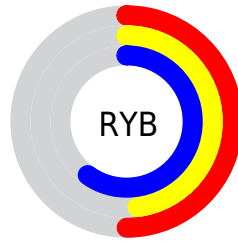
The XYZ color **21.4617, 20.7310, 33.0073** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.1175, 30.4840, 22.8680**, and the grayscale version is **20.1424, 21.1914, 23.0774**.

A 20% lighter version of the original color is **45.2209, 44.4804, 65.2337**, and **7.8414, 7.3022, 13.5665** is the 20% darker color. If you saturate the color by 10%, you get **17.9380, 16.3422, 32.3462**, and if you desaturate by 10%, it is **25.5259, 25.8386, 33.7793**.

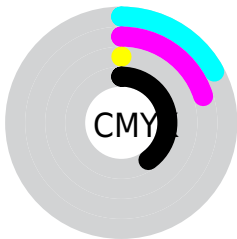
Distribution



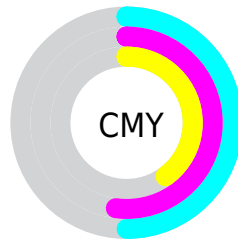
- Red (50%)
- Green (48%)
- Blue (60%)



- Red (50%)
- Yellow (48%)
- Blue (60%)



- Cyan (17%)
- Magenta (20%)
- Yellow (0%)
- Black (40%)



- Cyan (50%)
- Magenta (52%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4617, 20.7310, 33.0073 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 21.4617, 20.7310, 33.0073 by changing the saturation by 10% instead.

■ 21.4617, 20.7310,
33.0073

■ 21.4617, 20.7310,
33.0073

252.4076,
255.8454, 330.3156

■ 13.5763, 12.9275,
21.8609

■ 45.3402, 44.6394,
65.5031

■ 7.9063, 7.3787,
13.5574

■ 62.0640, 61.5131,
87.6895

■ 4.0863, 3.7000,
7.6782

■ 82.4646, 82.1790,
114.3930

■ 1.7511, 1.5072,
3.8050

106.9074,
107.0216, 146.0321

■ 0.4879, 0.2938,
1.5190

135.7577,
136.4251, 183.0254

■ 0.0000, 0.0000,
0.2320

169.3810,

■ 0.0000, 0.0000,

170.7739, 225.7914

0.0000

208.1425,
210.4526, 274.7486

■ 21.4617, 20.7310,
33.0073

■ 21.4617, 20.7310,
33.0073

■ 17.9380, 16.3422,
32.3462

■ 25.5259, 25.8386,
33.7793

■ 14.9300, 12.6373,
31.7896

■ 30.1503, 31.6926,
34.6655

■ 12.4137, 9.5823,
31.3326

■ 35.3558, 38.3225,
35.6708

■ 10.3624, 7.1394,
30.9692

■ 41.1618, 45.7552,
36.7995

■ 8.7471, 5.2667,
30.6929

■ 47.5866, 54.0164,
38.0554

■ 7.5349, 3.9170,
30.4962

■ 54.6480, 63.1307,
39.4425

■ 6.6884, 3.0353,
30.3707

■ 62.3628, 73.1216,
40.9643

■ 6.1427, 2.5025,
30.2966

■ 70.7474, 84.0118,
42.6244

■ 78.2985, 92.7852,
43.9199

Harmonies

Analogous

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



19.5869, 20.7310, 34.6044



21.4617, 20.7310, 33.0073



22.9424, 20.7310, 28.5008

Triad

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



21.4617, 20.7310, 33.0073



21.6780, 20.7310, 14.8608



16.3022, 20.7310, 22.2375

Complementary

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



21.4617, 20.7310, 33.0073



27.1175, 30.4840, 22.8680

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.



16.7860, 20.7310, 17.5292



21.4617, 20.7310, 33.0073



19.8220, 20.7310, 13.7134

Square

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



21.4617, 20.7310, 33.0073



23.0727, 20.7310, 18.0265



18.0454, 20.7310, 14.6074



16.6806, 20.7310, 27.8250

Rectangle

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



21.4617, 20.7310, 33.0073



23.4645, 20.7310, 24.7717



18.0454, 20.7310, 14.6074



16.3688, 20.7310, 20.5075

Sweetspot

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



21.4624, 20.7319, 33.0078



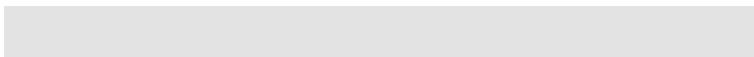
49.0194, 50.4499, 61.1262



24.4213, 27.7278, 34.2022



10.7196, 11.0079, 13.4772



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.4624, 20.7319, 33.0078



35.6609, 33.6617, 58.5898



23.8911, 21.9839, 33.1214



5.9727, 6.0718, 7.7862



5.0967, 2.0785, 25.0403



0.0968, 0.0417, 0.3753

Inverse Universe

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



25.4423, 22.8303, 31.0835



44.0459, 38.0850, 54.4366



24.5539, 29.1624, 22.7481



6.4184, 6.3065, 7.5835



14.1057, 6.8965, 17.6132



0.2210, 0.1071, 0.3164

Previews

White Background



This preview shows how the XYZ color 21.4617, 20.7310, 33.0073 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 21.4617, 20.7310, 33.0073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

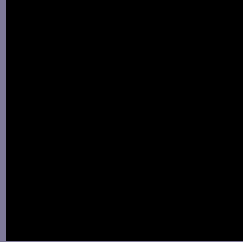
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4617, 20.7310, 33.0073

Background



This preview shows how black text looks on a background with the XYZ color 21.4617, 20.7310, 33.0073.



This preview shows how white text looks on a background with the XYZ color 21.4617, 20.7310,

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

21.4617, 20.7310, 33.0073

Protanopia

20.7318, 20.7038, 33.9139

Deuteranopia

21.1449, 20.7509, 33.0279



Tritanopia

20.0190, 20.7016, 25.8624

Trichromacy



Original Color

21.4617, 20.7310, 33.0073

Protanomaly

20.9417, 20.6366, 33.4514

Deuteranomaly

21.2902, 20.8258, 33.0347

Tritanomaly

20.5476, 20.7283, 28.5092

Monochromacy



Original Color

21.4617, 20.7310, 33.0073

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.5299, 20.9568, 26.2556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4617, 20.7310, 33.0073 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(127, 122, 153)` looks like.

```
.text, #text, p{  
    color:rgb(127, 122, 153)  
}
```

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(127, 122, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 122, 153) }
```

Border

The CSS property to change the border of an element to XYZ 21.4617, 20.7310, 33.0073 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(127, 122, 153) }
```


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

```
.border{ border-color:rgb(127, 122, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 122, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 122, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 122, 153);  
box-shadow:4px 4px 4px 4px rgb(127, 122,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4617, 20.7310, 33.0073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 122, 153) }
```

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

```
.background{ background-color: rgb(127,  
122, 153) }
```

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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