

Converting Colors

XYZ(22.2229, 20.1335, 45.3627)

Have a look what the booklet for
XYZ(22.2229, 20.1335, 45.3627)
contains.

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Color

**XYZ(22.2229, 20.1335,
45.3627)**

Conversions

Conversions Part 1

Format	Color
Hex	7776B3
RGB	119, 118, 179
RGB Percent	47%, 46%, 70%
CMY	0.5333, 0.5372, 0.2980
CMYK	0.34, 0.34, 0.00, 0.30
HSL	241°, 29%, 58%
HSV	241°, 34%, 70%
XYZ	22.2229, 20.1335, 45.3627
YIQ	125.2530, -18.9850, 19.1830

Conversions

Conversions Part 2

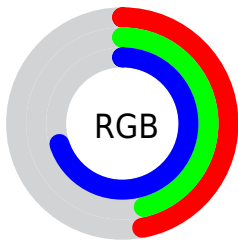
Format	Color
R_{YB}	119, 118, 179
Decimal	7829171
CIE _{Lab}	51.99, 14.98, -32.15
CIE _{LCh}	52, 35.471, 294.976
Yxy	20.1335, 0.2533, 0.2295
Android (android.graphics.Color)	4286019251 (0xFF7776B3)
YUV	125.2530, 26.4973, -5.4839
Hunter-Lab	44.8704, 9.8824, -28.5313

Details

The XYZ color **22.2229, 20.1335, 45.3627** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **37.7505, 43.0135, 23.4531**, and the grayscale version is **19.4969, 20.5122, 22.3378**.

A 20% lighter version of the original color is **46.6037, 43.6318, 84.5628**, and **8.3400, 7.1156, 20.6726** is the 20% darker color. If you saturate the color by 10%, you get **18.1151, 15.1783, 44.6231**, and if you desaturate by 10%, it is **27.1798, 26.1210, 46.2575**.

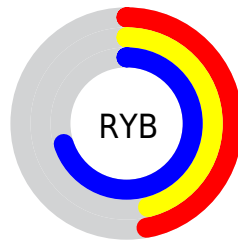
Distribution



Red (47%)

Green (46%)

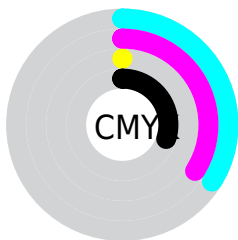
Blue (70%)



Red (47%)

Yellow (46%)

Blue (70%)

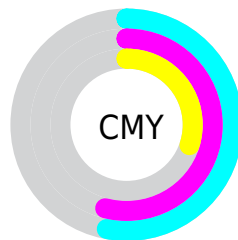


Cyan (34%)

Magenta (34%)

Yellow (0%)

Black (30%)



Cyan (53%)

Magenta (54%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2229, 20.1335, 45.3627 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 22.2229, 20.1335, 45.3627 by changing the saturation by 10% instead.

■ 22.2229, 20.1335,
45.3627

■ 22.2229, 20.1335,
45.3627

256.3186,
252.6369, 384.4434

■ 14.1383, 12.4921,
31.3982

■ 46.5902, 43.6409,
84.5886

■ 8.2993, 7.0798,
20.6412

■ 63.6037, 60.2757,
110.6871

■ 4.3404, 3.5120,
12.6733

■ 84.3241, 80.6771,
141.6673

■ 1.8965, 1.4045,
7.0759

109.1169,
105.2295, 177.9478

■ 0.5748, 0.2201,
3.4305

138.3474,
134.3173, 219.9471

■ 0.0000, 0.0000,
1.3184

172.3810,

■ 0.0000, 0.0000,

168.3249, 268.0838

0.0768

211.5829,
207.6366, 322.7764

■ 0.0000, 0.0000,
0.0000

■ 22.2229, 20.1335,
45.3627

■ 22.2229, 20.1335,
45.3627

■ 18.1151, 15.1783,
44.6231

■ 27.1798, 26.1210,
46.2575

■ 14.8067, 11.1950,
44.0286

■ 33.0273, 33.1920,
47.3141

■ 12.2464, 8.1203,
43.5701

■ 39.8070, 41.3972,
48.5406

■ 10.3758, 5.8828,
43.2368

■ 47.5570, 50.7834,
49.9438

■ 9.1282, 4.4001,
43.0164

■ 56.3135, 61.3948,
51.5305

■ 8.4233, 3.5734,
42.8940

■ 66.1107, 73.2732,
53.3069

■ 8.1735, 3.2736,
42.8493

■ 76.9812, 86.4585,
55.2790

■ 85.1368, 96.0347,
56.6975

Harmonies

Analogous

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



18.5342, 20.1335, 48.3228



22.2229, 20.1335, 45.3627



25.4095, 20.1335, 35.4418

Triad

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



22.2229, 20.1335, 45.3627



23.4078, 20.1335, 9.3297



13.0152, 20.1335, 20.2250

Complementary

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



22.2229, 20.1335, 45.3627



37.7505, 43.0135, 23.4531

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.



13.9912, 20.1335, 12.3692



22.2229, 20.1335, 45.3627



19.7513, 20.1335, 7.4729

Square

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



22.2229, 20.1335, 45.3627



26.1517, 20.1335, 14.5469



16.3496, 20.1335, 8.3780



13.5031, 20.1335, 31.4444

Rectangle

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



22.2229, 20.1335, 45.3627



26.6628, 20.1335, 27.4959



16.3496, 20.1335, 8.3780



13.1790, 20.1335, 17.1573

Sweetspot

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



22.2236, 20.1343, 45.3632



63.6934, 64.9422, 85.5593



31.7285, 39.3469, 48.5706



13.7470, 13.9471, 18.8898



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.2236, 20.1343, 45.3632



34.0646, 29.1381, 80.2100



26.9191, 22.5549, 45.5829



8.0544, 8.2366, 10.6716



5.7812, 2.3161, 30.2793



0.1861, 0.0751, 0.9529

Inverse Universe

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



33.1052, 25.7556, 45.3460



56.5795, 40.7705, 80.1112



31.6941, 39.8913, 23.1696



8.8439, 8.6443, 10.6764



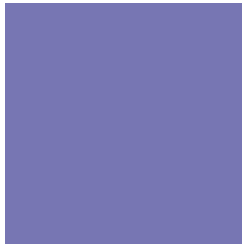
18.6815, 8.9901, 29.8123



0.5897, 0.2836, 0.9480

Previews

White Background



This preview shows how the XYZ color 22.2229, 20.1335, 45.3627 looks on a white background.

Color Contrast Check

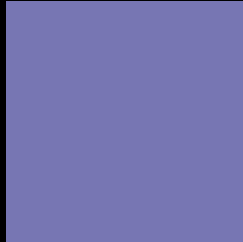
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2229, 20.1335, 45.3627 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 22.2229, 20.1335, 45.3627

Background



This preview shows how black text looks on a background with the XYZ color 22.2229, 20.1335, 45.3627.



This preview shows how white text looks on a background with the XYZ color 22.2229, 20.1335,

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

22.2229, 20.1335, 45.3627

Protanopia

21.1120, 20.2395, 47.0499

Deuteranopia

20.7124, 20.2638, 44.9391



Tritanopia

18.5351, 20.2999, 26.6083

Trichromacy



Original Color

22.2229, 20.1335, 45.3627

Protanomaly

21.4845, 20.2622, 46.4947

Deuteranomaly

21.1799, 20.1403, 44.8906

Tritanomaly

19.6852, 20.1930, 32.5659

Monochromacy



Original Color

22.2229, 20.1335, 45.3627

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.2387, 20.1744, 29.6154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2229, 20.1335, 45.3627 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(119, 118, 179)` looks like.

```
.text, #text, p{  
    color:rgb(119, 118, 179)  
}
```

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(119, 118, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 118, 179) }
```

Border

The CSS property to change the border of an element to XYZ 22.2229, 20.1335, 45.3627 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(119, 118, 179) }
```


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

```
.border{ border-color:rgb(119, 118, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 118, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 118, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 118, 179);  
box-shadow:4px 4px 4px 4px rgb(119, 118,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2229, 20.1335, 45.3627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 118, 179) }
```

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

```
.background{ background-color: rgb(119,  
118, 179) }
```

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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