

Converting Colors

XYZ(22.0612, 20.3425, 45.5306)

Have a look what the booklet for
XYZ(22.0612, 20.3425, 45.5306)
contains.

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Color

**XYZ(22.0556, 20.4006,
45.4231)**

Conversions

Conversions Part 1

Format	Color
Hex	7478B3
RGB	116, 120, 179
RGB Percent	45%, 47%, 70%
CMY	0.5451, 0.5294, 0.2980
CMYK	0.35, 0.33, 0.00, 0.30
HSL	236°, 29%, 58%
HSV	236°, 35%, 70%
XYZ	22.0556, 20.4006, 45.4231
YIQ	125.5300, -21.3230, 17.5010

Conversions

Conversions Part 2

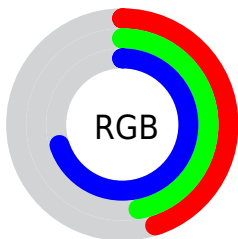
Format	Color
R_{YB}	116, 120, 179
Decimal	7633075
CIE _{Lab}	52.29, 12.91, -31.70
CIE _{LCh}	52, 34.233, 292.160
Yxy	20.4006, 0.2510, 0.2321
Android (android.graphics.Color)	4285823155 (0xFF7478B3)
YUV	125.5300, 26.3607, -8.3578
Hunter-Lab	45.1670, 8.1214, -28.0092

Details

The XYZ color **22.0556, 20.4006, 45.4231** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **37.0733, 41.5052, 22.5812**, and the grayscale version is **19.5912, 20.6115, 22.4459**.

A 20% lighter version of the original color is **46.3255, 44.0493, 84.6580**, and **8.2632, 7.2649, 20.7054** is the 20% darker color. If you saturate the color by 10%, you get **18.0589, 15.6051, 44.7085**, and if you desaturate by 10%, it is **26.8652, 26.1399, 46.2778**.

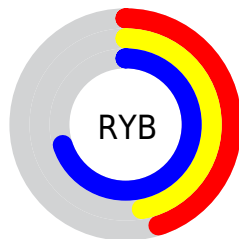
Distribution



Red (45%)

Green (47%)

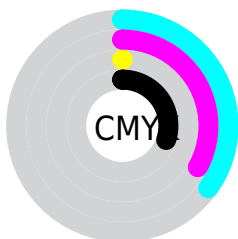
Blue (70%)



Red (45%)

Yellow (47%)

Blue (70%)

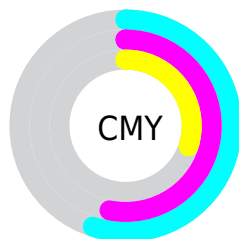


Cyan (35%)

Magenta (33%)

Yellow (0%)

Black (30%)



Cyan (55%)

Magenta (53%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0556, 20.4006, 45.4231 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 22.0556, 20.4006, 45.4231 by changing the saturation by 10% instead.

■ 22.0556, 20.4006,
45.4231

■ 22.0556, 20.4006,
45.4231

255.4634,
254.0756, 384.6944

■ 14.0146, 12.6866,
31.4454

■ 46.3160, 44.0878,
84.6801

■ 8.2126, 7.2131,
20.6770

■ 63.2662, 60.8298,
110.7966

■ 4.2842, 3.5957,
12.6991

■ 83.9168, 81.3499,
141.7964

■ 1.8642, 1.4501,
7.0934

108.6331,
106.0324, 178.0980

■ 0.5559, 0.2532,
3.4413

137.7806,
135.2619, 220.1201

■ 0.0000, 0.0000,
1.3241

171.7246,

■ 0.0000, 0.0000,

169.4227, 268.2812

0.0814

210.8304,
208.8991, 322.9998

■ 0.0000, 0.0000,
0.0000

■ 22.0556, 20.4006,
45.4231

■ 22.0556, 20.4006,
45.4231

■ 18.0589, 15.6051,
44.7085

■ 26.8652, 26.1399,
46.2778

■ 14.8280, 11.7007,
44.1252

■ 32.5269, 32.8673,
47.2779

■ 12.3145, 8.6329,
43.6655

■ 39.0799, 40.6272,
48.4303

■ 10.4636, 6.3406,
43.3206

■ 46.5605, 49.4605,
49.7410

■ 9.2122, 4.7539,
43.0803

■ 55.0028, 59.4060,
51.2158

■ 8.4845, 3.7903,
42.9326

■ 64.4394, 70.5004,
52.8598

■ 8.2607, 3.5025,
42.8889

■ 74.9010, 82.7789,
54.6784

■ 84.8540, 95.4691,
56.6033

■ 85.1368, 96.0347,
56.6976

Harmonies

Analogous

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



18.4819, 20.4006, 47.4670



22.0556, 20.4006, 45.4231



25.2387, 20.4006, 36.3452

Triad

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



22.0556, 20.4006, 45.4231



23.8436, 20.4006, 10.1559



13.4305, 20.4006, 19.6732

Complementary

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



22.0556, 20.4006, 45.4231



37.0733, 41.5052, 22.5812

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.



14.5230, 20.4006, 12.3207



22.0556, 20.4006, 45.4231



20.3277, 20.4006, 8.0162

Square

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



22.0556, 20.4006, 45.4231



26.3550, 20.4006, 15.6767



16.9486, 20.4006, 8.6667



13.7751, 20.4006, 30.3519

Rectangle

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



22.0556, 20.4006, 45.4231



26.5696, 20.4006, 28.6932



16.9486, 20.4006, 8.6667



13.6367, 20.4006, 16.7899

Sweetspot

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



22.0563, 20.4014, 45.4236



62.7633, 64.2085, 85.4667



31.0414, 39.0410, 46.3546



13.5660, 13.8235, 18.8754



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.



22.0563, 20.4014, 45.4236



33.9902, 29.9298, 80.3667



25.7625, 21.6127, 45.4621



8.0838, 8.3139, 10.6850



5.8552, 2.5108, 30.3130



0.1985, 0.1075, 0.9585

Inverse Universe

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



28.2266, 23.4313, 20.8050



46.6928, 36.2941, 29.6567



32.1659, 40.1482, 22.5779



8.5175, 8.5137, 8.9577



13.1901, 6.7936, 0.8950



0.4222, 0.2166, 0.0660

Previews

White Background



This preview shows how the XYZ color 22.0556, 20.4006, 45.4231 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 22.0556, 20.4006, 45.4231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

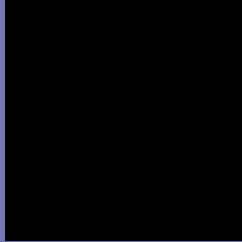
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.0556, 20.4006, 45.4231

Background



This preview shows how black text looks on a background with the XYZ color 22.0556, 20.4006, 45.4231.

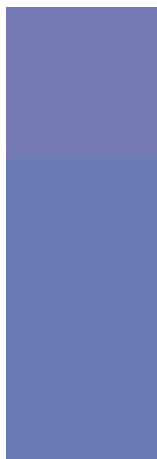


This preview shows how white text looks on a background with the XYZ color 22.0556, 20.4006,

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

22.0556, 20.4006, 45.4231

Protanopia

21.2491, 20.5054, 46.5540

Deuteranopia

20.8278, 20.3233, 44.9445



Tritanopia

18.3700, 20.3991, 27.0140

Trichromacy



Original Color

22.0556, 20.4006, 45.4231

Protanomaly

21.5044, 20.4656, 45.9969

Deuteranomaly

21.1798, 20.3216, 44.9256

Tritanomaly

19.5138, 20.2821, 33.0233

Monochromacy



Original Color

22.0556, 20.4006, 45.4231

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.3445, 20.5972, 29.6915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0556, 20.4006, 45.4231 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(116, 120, 179)` looks like.

```
.text, #text, p{  
    color:rgb(116, 120, 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(116, 120, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 120, 179) }
```

Border

The CSS property to change the border of an element to XYZ 22.0556, 20.4006, 45.4231 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(116, 120, 179) }
```


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

```
.border{ border-color:rgb(116, 120, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 120, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 120, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 120, 179);  
box-shadow:4px 4px 4px 4px rgb(116, 120,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0556, 20.4006, 45.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 120, 179) }
```

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

```
.background{ background-color: rgb(116,  
120, 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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