

Converting Colors

XYZ(22.4962, 20.6630, 43.8792)

Have a look what the booklet for
XYZ(22.4962, 20.6630, 43.8792)
contains.

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Color

**XYZ(22.4381, 20.6325,
43.8741)**

Conversions

Conversions Part 1

Format	Color
Hex	7978B0
RGB	121, 120, 176
RGB Percent	47%, 47%, 69%
CMY	0.5255, 0.5294, 0.3098
CMYK	0.31, 0.32, 0.00, 0.31
HSL	241°, 26%, 58%
HSV	241°, 32%, 69%
XYZ	22.4381, 20.6325, 43.8741
YIQ	126.6830, -17.3800, 17.6280

Conversions

Conversions Part 2

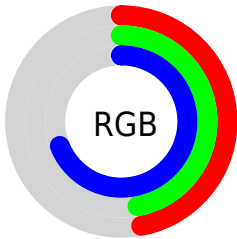
Format	Color
R_{YB}	121, 120, 176
Decimal	7960752
CIE _{Lab}	52.54, 13.57, -29.54
CIE _{LCh}	53, 32.508, 294.668
Yxy	20.6325, 0.2581, 0.2373
Android (android.graphics.Color)	4286150832 (0xFF7978B0)
YUV	126.6830, 24.3133, -4.9840
Hunter-Lab	45.4230, 8.6853, -25.4721

Details

The XYZ color **22.4381, 20.6325, 43.8741** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.5951, 41.5211, 23.8557**, and the grayscale version is **19.9884, 21.0294, 22.9010**.

A 20% lighter version of the original color is **46.9972, 44.4452, 82.4457**, and **8.4183, 7.3669, 19.7171** is the 20% darker color. If you saturate the color by 10%, you get **18.3036, 15.6428, 43.1293**, and if you desaturate by 10%, it is **27.3971, 26.6256, 44.7699**.

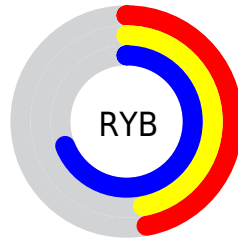
Distribution



Red (47%)

Green (47%)

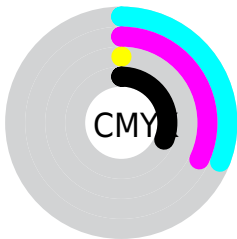
Blue (69%)



Red (47%)

Yellow (47%)

Blue (69%)

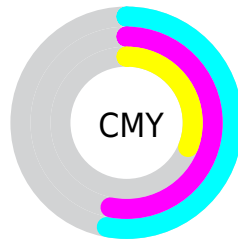


Cyan (31%)

Magenta (32%)

Yellow (0%)

Black (31%)



Cyan (53%)

Magenta (53%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4381, 20.6325, 43.8741 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 22.4381, 20.6325, 43.8741 by changing the saturation by 10% instead.

■ 22.4381, 20.6325,
43.8741

■ 22.4381, 20.6325,
43.8741

257.4153,
255.3189, 378.2206

■ 14.2976, 12.8556,
30.2351

■ 46.9425, 44.4751,
82.3287

■ 8.4110, 7.3292,
19.7635

■ 64.0371, 61.3096,
107.9814

■ 4.4131, 3.6688,
12.0409

■ 84.8471, 81.9322,
138.4757

■ 1.9384, 1.4901,
6.6487

109.7378,
106.7271, 174.2302

■ 0.5990, 0.2817,
3.1683

139.0746,
136.0789, 215.6633

■ 0.0000, 0.0000,
1.1812

173.2229,

■ 0.0000, 0.0000,

170.3719, 263.1938

0.0000

212.5480,
209.9904, 317.2400

■ 22.4381, 20.6325,
43.8741

■ 22.4381, 20.6325,
43.8741

■ 18.3036, 15.6428,
43.1293

■ 27.3971, 26.6256,
44.7699

■ 14.9470, 11.5995,
42.5257

■ 33.2197, 33.6703,
45.8228

■ 12.3203, 8.4436,
42.0550

■ 39.9449, 41.8144,
47.0403

■ 10.3691, 6.1083,
41.7071

■ 47.6090, 51.1022,
48.4291

■ 9.0319, 4.5177,
41.4706

■ 56.2460, 61.5754,
49.9954

■ 8.2354, 3.5815,
41.3318

■ 65.8883, 73.2738,
51.7452

■ 7.8759, 3.1549,
41.2685

■ 76.5669, 86.2352,
53.6842

■ 84.8365, 95.9146,
55.1166

Harmonies

Analogous

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



19.0151, 20.6325, 46.4404



22.4381, 20.6325, 43.8741



25.3796, 20.6325, 34.9824

Triad

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



22.4381, 20.6325, 43.8741



23.5974, 20.6325, 10.4814



13.8458, 20.6325, 20.7861

Complementary

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



22.4381, 20.6325, 43.8741



36.5951, 41.5211, 23.8557

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.



14.7896, 20.6325, 13.3592



22.4381, 20.6325, 43.8741



20.2183, 20.6325, 8.6008

Square

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



22.4381, 20.6325, 43.8741



26.1007, 20.6325, 15.5824



17.0312, 20.6325, 9.4788



14.2967, 20.6325, 31.1246

Rectangle

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



22.4381, 20.6325, 43.8741



26.5392, 20.6325, 27.7324



17.0312, 20.6325, 9.4788



14.0068, 20.6325, 17.9112

Sweetspot

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



22.4388, 20.6333, 43.8746



62.1376, 63.3526, 83.4486



30.9257, 37.8140, 46.7435



13.1240, 13.3153, 18.0227



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



22.4388, 20.6333, 43.8746



35.4039, 31.0331, 78.6193



26.9359, 22.9516, 44.0850



8.0555, 8.2371, 10.6717



5.7840, 2.3175, 30.2795



0.1866, 0.0753, 0.9529

Inverse Universe

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



32.3593, 25.7589, 43.8243



56.1847, 41.7711, 78.4585



30.9606, 38.6164, 23.5920



8.8434, 8.6441, 10.6735



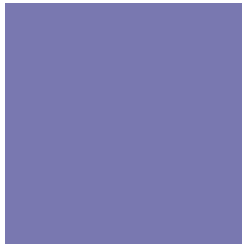
18.6635, 8.9830, 29.7177



0.5893, 0.2835, 0.9459

Previews

White Background



This preview shows how the XYZ color 22.4381, 20.6325, 43.8741 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 22.4381, 20.6325, 43.8741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

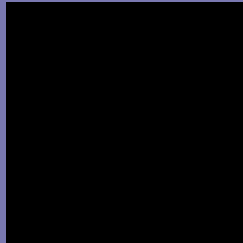
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.4381, 20.6325, 43.8741

Background



This preview shows how black text looks on a background with the XYZ color 22.4381, 20.6325, 43.8741.

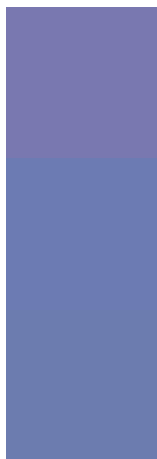


This preview shows how white text looks on a background with the XYZ color 22.4381, 20.6325,

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

22.4381, 20.6325, 43.8741

Protanopia

21.4040, 20.6087, 45.4976

Deuteranopia

21.1299, 20.6986, 43.4390



Tritanopia

19.1167, 20.7840, 27.0489

Trichromacy



Original Color

22.4381, 20.6325, 43.8741

Protanomaly

21.8055, 20.6441, 44.9549

Deuteranomaly

21.6309, 20.7718, 43.4267

Tritanomaly

20.2036, 20.6472, 32.6262

Monochromacy



Original Color

22.4381, 20.6325, 43.8741

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.7759, 20.8196, 29.7116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4381, 20.6325, 43.8741 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(121, 120, 176)` looks like.

```
.text, #text, p{  
    color:rgb(121, 120, 176)  
}
```

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(121, 120, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 120, 176) }
```

Border

The CSS property to change the border of an element to XYZ 22.4381, 20.6325, 43.8741 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(121, 120, 176) }
```


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

```
.border{ border-color:rgb(121, 120, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 120, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 120, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 120, 176);  
box-shadow:4px 4px 4px 4px rgb(121, 120,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4381, 20.6325, 43.8741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 120, 176) }
```

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

```
.background{ background-color: rgb(121,  
120, 176) }
```

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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