

Converting Colors

XYZ(22.8857, 20.6030, 42.8152)

Have a look what the booklet for
XYZ(22.8857, 20.6030, 42.8152)
contains.

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Color

**XYZ(22.8708, 20.5249,
42.8007)**

Conversions

Conversions Part 1

Format	Color
Hex	7F76AE
RGB	127, 118, 174
RGB Percent	50%, 46%, 68%
CMY	0.5020, 0.5372, 0.3176
CMYK	0.27, 0.32, 0.00, 0.32
HSL	250°, 26%, 57%
HSV	250°, 32%, 68%
XYZ	22.8708, 20.5249, 42.8007
YIQ	127.0750, -12.6120, 19.3240

Conversions

Conversions Part 2

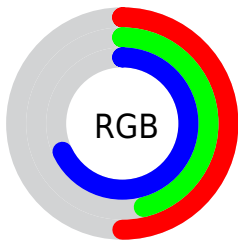
Format	Color
R_{YB}	127, 118, 174
Decimal	8353454
CIE _{Lab}	52.43, 16.06, -28.53
CIE _{LCh}	52, 32.740, 299.367
Yxy	20.5249, 0.2653, 0.2381
Android (android.graphics.Color)	4286543534 (0xFF7F76AE)
YUV	127.0750, 23.1340, -0.0658
Hunter-Lab	45.3044, 10.8285, -24.3003

Details

The XYZ color **22.8708, 20.5249, 42.8007** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.9237, 39.5799, 22.9921**, and the grayscale version is **20.1253, 21.1734, 23.0578**.

A 20% lighter version of the original color is **47.7137, 44.2864, 80.8963**, and **8.6218, 7.2973, 19.0433** is the 20% darker color. If you saturate the color by 10%, you get **18.9881, 15.7573, 42.0855**, and if you desaturate by 10%, it is **27.4481, 26.2126, 43.6576**.

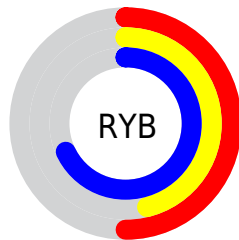
Distribution



Red (50%)

Green (46%)

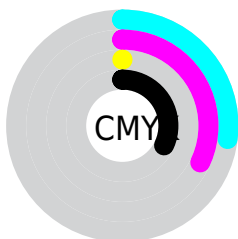
Blue (68%)



Red (50%)

Yellow (46%)

Blue (68%)

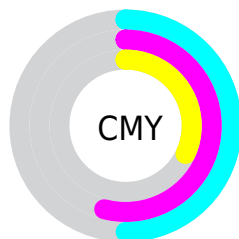


Cyan (27%)

Magenta (32%)

Yellow (0%)

Black (32%)



Cyan (50%)

Magenta (54%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8708, 20.5249, 42.8007 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 22.8708, 20.5249, 42.8007 by changing the saturation by 10% instead.

■ 22.8708, 20.5249,
42.8007

■ 22.8708, 20.5249,
42.8007

259.6084,
254.7427, 373.6886

■ 14.6183, 12.7772,
29.3985

■ 47.6493, 44.2955,
80.6932

■ 8.6365, 7.2753,
19.1343

■ 64.9060, 61.0871,
106.0205

■ 4.5601, 3.6349,
11.5896

■ 85.8949, 81.6622,
136.1600

■ 2.0236, 1.4715,
6.3458

110.9812,
106.4051, 171.5302

■ 0.6472, 0.2685,
2.9843

140.5304,
135.7002, 212.5496

■ 0.0000, 0.0000,
1.0866

174.9077,

■ 0.0000, 0.0000,

169.9319, 259.6368

0.0000

214.4786,
209.4846, 313.2103

■ 22.8708, 20.5249,
42.8007

■ 22.8708, 20.5249,
42.8007

■ 18.9881, 15.7573,
42.0855

■ 27.4481, 26.2126,
43.6576

■ 15.7637, 11.8588,
41.5029

■ 32.7499, 32.8628,
44.6618

■ 13.1609, 8.7771,
41.0453

■ 38.8068, 40.5186,
45.8203

■ 11.1386, 6.4532,
40.7033

■ 45.6469, 49.2193,
47.1392

■ 9.6505, 4.8199,
40.4665

■ 53.2971, 59.0024,
48.6243

■ 8.6429, 3.7983,
40.3224

■ 61.7827, 69.9033,
50.2812

■ 8.1179, 3.3024,
40.2543

■ 71.1282, 81.9560,
52.1150

■ 80.6500, 93.7791,
53.8952

■ 84.6401, 95.8360,
54.0820

Harmonies

Analogous

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



19.4366, 20.5249, 46.5929



22.8708, 20.5249, 42.8007



25.6492, 20.5249, 33.2322

Triad

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



22.8708, 20.5249, 42.8007



23.0093, 20.5249, 9.8574



13.7065, 20.5249, 22.1432

Complementary

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



22.8708, 20.5249, 42.8007



33.9237, 39.5799, 22.9921

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.



14.4353, 20.5249, 14.1452



22.8708, 20.5249, 42.8007



19.5802, 20.5249, 8.4287

Square

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



22.8708, 20.5249, 42.8007



25.7354, 20.5249, 14.4093



16.4927, 20.5249, 9.7387



14.3766, 20.5249, 32.7704

Rectangle

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



22.8708, 20.5249, 42.8007



26.6153, 20.5249, 25.9600



16.4927, 20.5249, 9.7387



13.7945, 20.5249, 19.0878

Sweetspot

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



22.8715, 20.5257, 42.8012



61.4967, 62.2461, 81.4103



28.6754, 34.0354, 45.1029



13.3476, 13.4305, 18.0332



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.



22.8715, 20.5257, 42.8012



36.0834, 30.5863, 76.6388



27.5218, 22.9230, 43.0188



7.6944, 7.8167, 10.0559



5.9223, 2.4129, 29.1981



0.2003, 0.0855, 0.8139

Inverse Universe

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



30.7261, 24.6729, 38.7409



52.7899, 39.4163, 67.5942



28.8219, 36.9498, 22.7533



8.2810, 8.1256, 9.7903



16.4441, 8.0402, 20.5159



0.4720, 0.2295, 0.6473

Previews

White Background



This preview shows how the XYZ color 22.8708, 20.5249, 42.8007 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 22.8708, 20.5249, 42.8007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

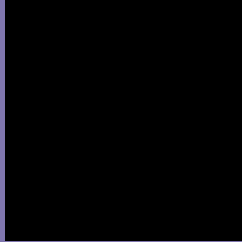
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.8708, 20.5249, 42.8007

Background



This preview shows how black text looks on a background with the XYZ color 22.8708, 20.5249, 42.8007.



This preview shows how white text looks on a background with the XYZ color 22.8708, 20.5249,

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

22.8708, 20.5249, 42.8007

Protanopia

21.3032, 20.5684, 44.9668

Deuteranopia

21.1809, 20.7474, 42.4235



Tritanopia

19.5125, 20.6212, 26.2444

Trichromacy



Original Color

22.8708, 20.5249, 42.8007

Protanomaly

21.8434, 20.4939, 44.3994

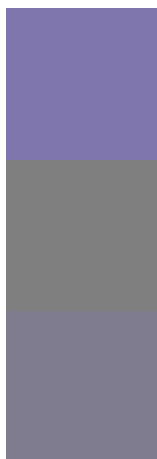
Deuteranomaly

21.7048, 20.6492, 42.3769

Tritanomaly

20.6140, 20.5055, 31.7256

Monochromacy



Original Color

22.8708, 20.5249, 42.8007

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.9941, 20.9409, 29.3211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8708, 20.5249, 42.8007 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, 118, 174)` looks like.

```
.text, #text, p{  
    color:rgb(127, 118, 174)  
}
```

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, 118, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 118, 174) }
```

Border

The CSS property to change the border of an element to XYZ 22.8708, 20.5249, 42.8007 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, 118, 174) }
```


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

```
.border{ border-color:rgb(127, 118, 174) }
```

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

Here you see how a box with a 4 pixel rgb(127, 118, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 118, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 118, 174);  
box-shadow:4px 4px 4px 4px rgb(127, 118,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8708, 20.5249, 42.8007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 118, 174) }
```

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

```
.background{ background-color: rgb(127,  
118, 174) }
```

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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