

Converting Colors

XYZ(24.9547, 22.3430, 50.0111)

Have a look what the booklet for
XYZ(24.9547, 22.3430, 50.0111)
contains.

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Color

**XYZ(24.9547, 22.3430,
50.0111)**

Conversions

Conversions Part 1

Format	Color
Hex	807BBB
RGB	128, 123, 187
RGB Percent	50%, 48%, 73%
CMY	0.4980, 0.5176, 0.2667
CMYK	0.32, 0.34, 0.00, 0.27
HSL	245°, 32%, 61%
HSV	245°, 34%, 73%
XYZ	24.9547, 22.3430, 50.0111
YIQ	131.7910, -17.5640, 20.9640

Conversions

Conversions Part 2

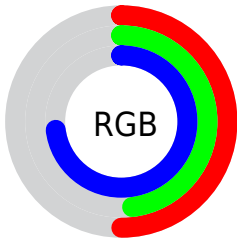
Format	Color
R_{YB}	128, 123, 187
Decimal	8420283
CIE Lab	54.39, 16.76, -32.95
CIE LCh	54, 36.971, 296.965
Yxy	22.3430, 0.2564, 0.2296
Android (android.graphics.Color)	4286610363 (0xFF807BBB)
YUV	131.7910, 27.2180, -3.3247
Hunter-Lab	47.2684, 11.5170, -29.6424

Details

The XYZ color **24.9547, 22.3430, 50.0111** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **40.6374, 46.9163, 25.6537**, and the grayscale version is **21.7673, 22.9009, 24.9390**.

A 20% lighter version of the original color is **50.7990, 47.0761, 91.2032**, and **9.6629, 8.1275, 23.2498** is the 20% darker color. If you saturate the color by 10%, you get **20.4764, 16.9137, 49.1996**, and if you desaturate by 10%, it is **30.3182, 28.8873, 50.9920**.

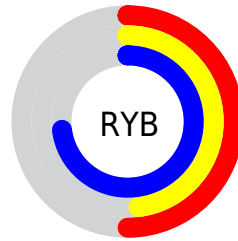
Distribution



Red (50%)

Green (48%)

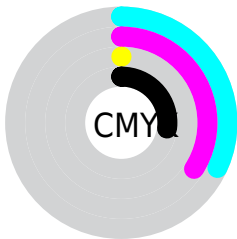
Blue (73%)



Red (50%)

Yellow (48%)

Blue (73%)

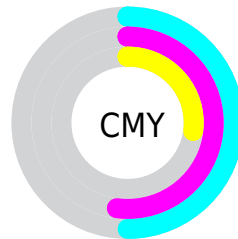


Cyan (32%)

Magenta (34%)

Yellow (0%)

Black (27%)



Cyan (50%)

Magenta (52%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9547, 22.3430, 50.0111 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 24.9547, 22.3430, 50.0111 by changing the saturation by 10% instead.

■ 24.9547, 22.3430,
50.0111

■ 24.9547, 22.3430,
50.0111

269.9641,
264.3323, 403.4457

■ 16.1719, 14.1091,
35.0510

■ 51.0271, 47.3123,
91.5878

■ 9.7375, 8.1966,
23.4183

■ 69.0475, 64.8164,
119.0414

■ 5.2862, 4.2210,
14.6945

■ 90.8776, 86.1795,
151.4967

■ 2.4526, 1.7980,
8.4610

116.8831,
111.7859, 189.3721

■ 0.8714, 0.4859,
4.2993

147.4291,
142.0200, 233.0861

■ 0.0000, 0.0000,
1.7910

182.8810,

■ 0.0000, 0.0000,

177.2661, 283.0574

0.4220

223.6042,
217.9088, 339.7044

■ 0.0000, 0.0000,
0.0000

■ 24.9547, 22.3430,
50.0111

■ 24.9547, 22.3430,
50.0111

■ 20.4764, 16.9137,
49.1996

■ 30.3182, 28.8873,
50.9920

■ 16.8333, 12.5348,
48.5464

■ 36.6086, 36.6012,
52.1494

■ 13.9743, 9.1388,
48.0416

■ 43.8677, 45.5391,
53.4920

■ 11.8413, 6.6496,
47.6735

■ 52.1340, 55.7508,
55.0273

■ 10.3685, 4.9796,
47.4288

■ 61.4441, 67.2837,
56.7627

■ 9.4775, 4.0239,
47.2913

■ 71.8325, 80.1827,
58.7049

■ 9.1604, 3.6862,
47.2428

■ 83.3324, 94.4904,
60.8605

■ 85.9697, 96.3679,
61.0839

Harmonies

Analogous

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



20.8280, 22.3430, 53.9687



24.9547, 22.3430, 50.0111



28.4321, 22.3430, 38.5723

Triad

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



24.9547, 22.3430, 50.0111



25.7558, 22.3430, 10.0436



14.3891, 22.3430, 23.1696

Complementary

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



24.9547, 22.3430, 50.0111



40.6374, 46.9163, 25.6537

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.



15.3703, 22.3430, 14.1088



24.9547, 22.3430, 50.0111



21.6500, 22.3430, 8.1948

Square

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



24.9547, 22.3430, 50.0111



28.9342, 22.3430, 15.5745



17.9070, 22.3430, 9.4051



15.0414, 22.3430, 35.8663

Rectangle

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



24.9547, 22.3430, 50.0111



29.7329, 22.3430, 29.6946



17.9070, 22.3430, 9.4051



14.5355, 22.3430, 19.6499

Sweetspot

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



24.9555, 22.3439, 50.0116



70.6328, 71.7844, 94.3344



34.0172, 41.5565, 53.2424



15.1593, 15.3219, 20.7010



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.9555, 22.3439, 50.0116



38.5807, 32.5984, 88.4601



30.4043, 25.1528, 50.2666



9.0837, 9.2600, 11.9808



6.3368, 2.5528, 32.5517



0.2720, 0.1123, 1.2762

Inverse Universe

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



36.0206, 28.1089, 47.7835



61.4372, 44.5134, 83.5655



34.0592, 43.5251, 25.3458



9.8969, 9.6831, 11.8462



19.2890, 9.3467, 27.8790



0.7652, 0.3700, 1.1429

Previews

White Background



This preview shows how the XYZ color 24.9547, 22.3430, 50.0111 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 24.9547, 22.3430, 50.0111 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 24.9547, 22.3430, 50.0111

Background



This preview shows how black text looks on a background with the XYZ color 24.9547, 22.3430, 50.0111.



This preview shows how white text looks on a background with the XYZ color 24.9547, 22.3430,

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

24.9547, 22.3430, 50.0111

Protanopia

23.4298, 22.4511, 52.3888

Deuteranopia

23.0199, 22.4969, 49.5834



Tritanopia

20.7415, 22.3775, 28.8173

Trichromacy



Original Color

24.9547, 22.3430, 50.0111

Protanomaly

23.9576, 22.3524, 51.7669

Deuteranomaly

23.6548, 22.4369, 49.5384

Tritanomaly

22.0479, 22.3067, 35.4913

Monochromacy



Original Color

24.9547, 22.3430, 50.0111

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.8778, 22.7928, 32.8994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9547, 22.3430, 50.0111 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(128, 123, 187)` looks like.

```
.text, #text, p{  
    color:rgb(128, 123, 187)  
}
```

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(128, 123, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 123, 187) }
```

Border

The CSS property to change the border of an element to XYZ 24.9547, 22.3430, 50.0111 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(128, 123, 187) }
```


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

```
.border{ border-color:rgb(128, 123, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 123, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 123, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 123, 187);  
box-shadow:4px 4px 4px 4px rgb(128, 123,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9547, 22.3430, 50.0111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 123, 187) }
```

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

```
.background{ background-color: rgb(128,  
123, 187) }
```

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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