

# Converting Colors

XYZ(25.9016, 22.8121, 48.3976)

Have a look what the booklet for  
XYZ(25.9016, 22.8121, 48.3976)  
contains.

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# Color

**XYZ(25.8880, 22.8608,  
48.3955)**

# Conversions

## Conversions Part 1

Format	Color
Hex	887BB8
RGB	136, 123, 184
RGB Percent	53%, 48%, 72%
CMY	0.4667, 0.5176, 0.2784
CMYK	0.26, 0.33, 0.00, 0.28
HSL	253°, 30%, 60%
HSV	253°, 33%, 72%
XYZ	25.8880, 22.8608, 48.3955
YIQ	133.8410, -11.8330, 21.7270

# Conversions

## Conversions Part 2

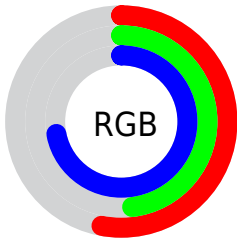
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	136, 123, 184
Decimal	8944568
CIE <sub>Lab</sub>	54.93, 18.38, -30.34
CIE <sub>LCh</sub>	55, 35.475, 301.208
Yxy	22.8608, 0.2665, 0.2353
Android (android.graphics.Color)	4287134648 (0xFF887BB8)
YUV	133.8410, 24.7284, 1.8934
Hunter-Lab	47.8130, 12.9749, -26.5433

# Details

The XYZ color **25.8880, 22.8608, 48.3955** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **37.5107, 44.3694, 25.3269**, and the grayscale version is **22.5175, 23.6902, 25.7986**.

A 20% lighter version of the original color is **52.4887, 48.2891, 88.9923**, and **10.2918, 8.4675, 22.5647** is the 20% darker color. If you saturate the color by 10%, you get **21.6217, 17.5860, 47.6026**, and if you desaturate by 10%, it is **30.9025, 29.1592, 49.3473**.

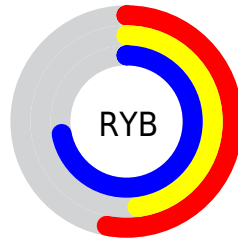
# Distribution



Red (53%)

Green (48%)

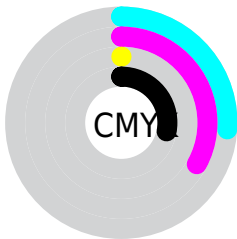
Blue (72%)



Red (53%)

Yellow (48%)

Blue (72%)

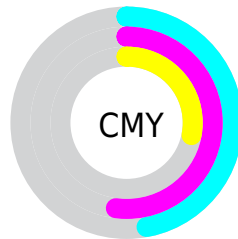


Cyan (26%)

Magenta (33%)

Yellow (0%)

Black (28%)



Cyan (47%)

Magenta (52%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8880, 22.8608, 48.3955 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 25.8880, 22.8608, 48.3955 by changing the saturation by 10% instead.



■ 25.8880, 22.8608,  
48.3955

■ 25.8880, 22.8608,  
48.3955

274.4986,  
267.0092, 396.9115

■ 16.8721, 14.4908,  
33.7780

■ 52.5268, 48.1647,  
89.1646

■ 10.2381, 8.4628,  
22.4471

■ 70.8804, 65.8673,  
116.1533

■ 5.6206, 4.3925,  
13.9843

■ 93.0773, 87.4495,  
148.1029

■ 2.6542, 1.8954,  
7.9712

119.4829,  
113.2958, 185.4317

■ 0.9737, 0.5456,  
3.9890

150.4624,  
143.7905, 228.5585

■ 0.0000, 0.0000,  
1.6193

186.3813,

■ 0.0000, 0.0000,

179.3181, 277.9017

0.3045

227.6050,  
220.2628, 333.8798

■ 0.0000, 0.0000,  
0.0000

■ 25.8880, 22.8608,  
48.3955

■ 25.8880, 22.8608,  
48.3955

■ 21.6217, 17.5860,  
47.6026

■ 30.9025, 29.1592,  
49.3473

■ 18.0646, 13.2773,  
46.9584

■ 36.6971, 36.5290,  
50.4644

■ 15.1774, 9.8757,  
46.4540

■ 43.3045, 45.0183,  
51.7548

■ 12.9161, 7.3145,  
46.0789

■ 50.7548, 54.6714,  
53.2253

■ 11.2308, 5.5177,  
45.8209

■ 59.0768, 65.5304,  
54.8827

■ 10.0636, 4.3947,  
45.6656

■ 68.2977, 77.6350,  
56.7331

■ 9.4966, 3.8962,  
45.5993

■ 78.4435, 91.0232,  
58.7826

■ 84.4958, 95.6448,  
59.3556

■ 85.6518, 96.2407,  
59.4097

# Harmonies

## Analogous

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



21.8884, 22.8608, 53.4367



25.8880, 22.8608, 48.3955



29.0541, 22.8608, 36.8499

# Triad

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



25.8880, 22.8608, 48.3955



25.5787, 22.8608, 10.3247



15.0098, 22.8608, 25.3511

# Complementary

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



25.8880, 22.8608, 48.3955



37.5107, 44.3694, 25.3269

# 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.



15.7511, 22.8608, 15.8483



25.8880, 22.8608, 48.3955



21.5694, 22.8608, 8.9082

# Square

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



25.8880, 22.8608, 48.3955



28.8609, 22.8608, 15.2699



18.0403, 22.8608, 10.5809



15.8801, 22.8608, 37.8873



# Rectangle

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



25.8880, 22.8608, 48.3955



30.0932, 22.8608, 28.3513



18.0403, 22.8608, 10.5809



15.0781, 22.8608, 21.7253

# Sweetspot

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



25.8888, 22.8617, 48.3960



69.9400, 70.5937, 92.1443



31.5352, 37.1012, 50.8469



14.7298, 14.7729, 19.7967



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



25.8888, 22.8617, 48.3960



40.9919, 34.0850, 86.6232



31.3984, 25.7020, 48.6539



8.6953, 8.8093, 11.3215



6.5947, 2.7109, 31.4287



0.2850, 0.1227, 1.1104



# Inverse Universe

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



34.2014, 27.2973, 41.9948



58.6007, 43.4933, 72.5083



31.7519, 41.4006, 25.0573



9.2967, 9.1291, 10.9101



17.1610, 8.4382, 19.2667



0.6258, 0.3058, 0.7887



# Previews

## White Background



This preview shows how the XYZ color 25.8880, 22.8608, 48.3955 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 25.8880, 22.8608, 48.3955 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 25.8880, 22.8608, 48.3955**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.8880, 22.8608, 48.3955.



This preview shows how white text looks on a background with the XYZ color 25.8880, 22.8608,



# 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

25.8880, 22.8608, 48.3955

### Protanopia

23.7177, 22.8194, 51.2986

### Deuteranopia

23.4693, 22.9616, 47.9948



## Tritanopia

21.9009, 22.7748, 28.8329

# Trichromacy



## Original Color

25.8880, 22.8608, 48.3955

## Protanomaly

24.4442, 22.8315, 50.1323

## Deuteranomaly

24.1627, 22.7352, 47.9146

## Tritanomaly

23.1650, 22.6980, 35.0585

# Monochromacy



## Original Color

25.8880, 22.8608, 48.3955

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

23.6418, 23.3832, 32.9731

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.8880, 22.8608, 48.3955 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(136, 123, 184)` looks like.

```
.text, #text, p{  
    color:rgb(136, 123, 184)  
}
```

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(136, 123, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 123, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 25.8880, 22.8608, 48.3955 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(136, 123, 184) }
```



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

```
.border{ border-color:rgb(136, 123, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 123, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 123, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 123, 184);  
box-shadow:4px 4px 4px 4px rgb(136, 123,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.8880, 22.8608, 48.3955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 123, 184) }
```

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

```
.background{ background-color: rgb(136,  
123, 184) }
```

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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